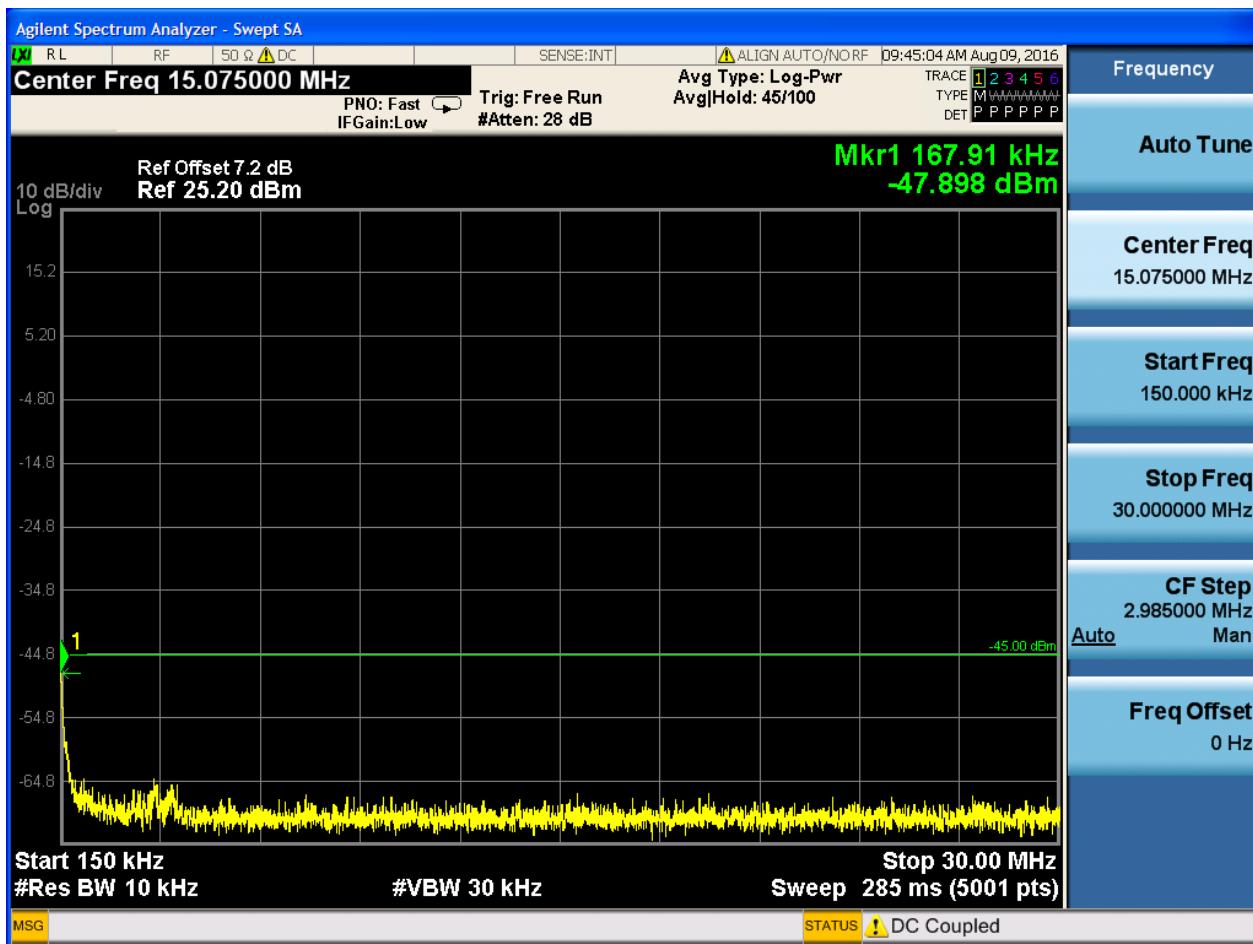
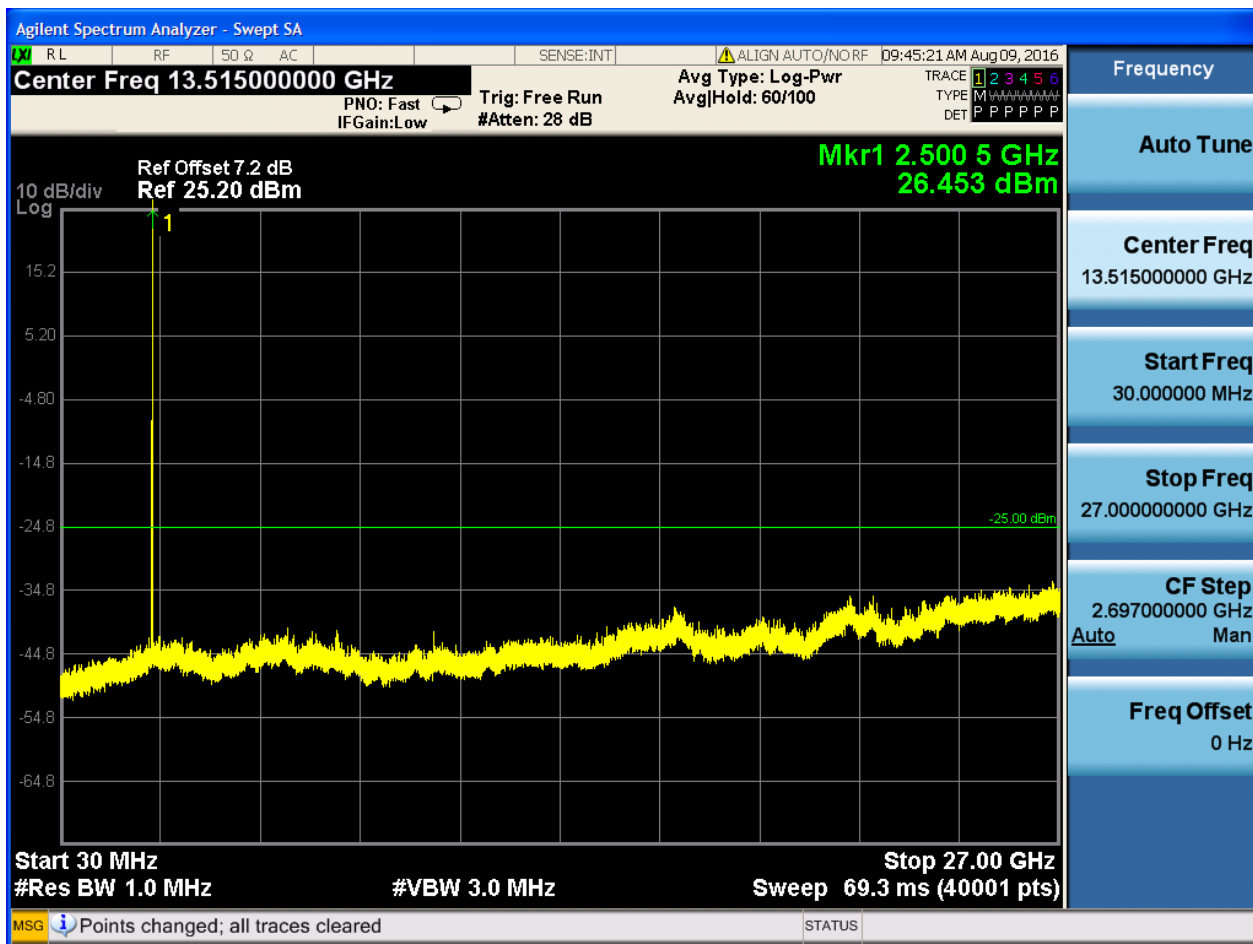


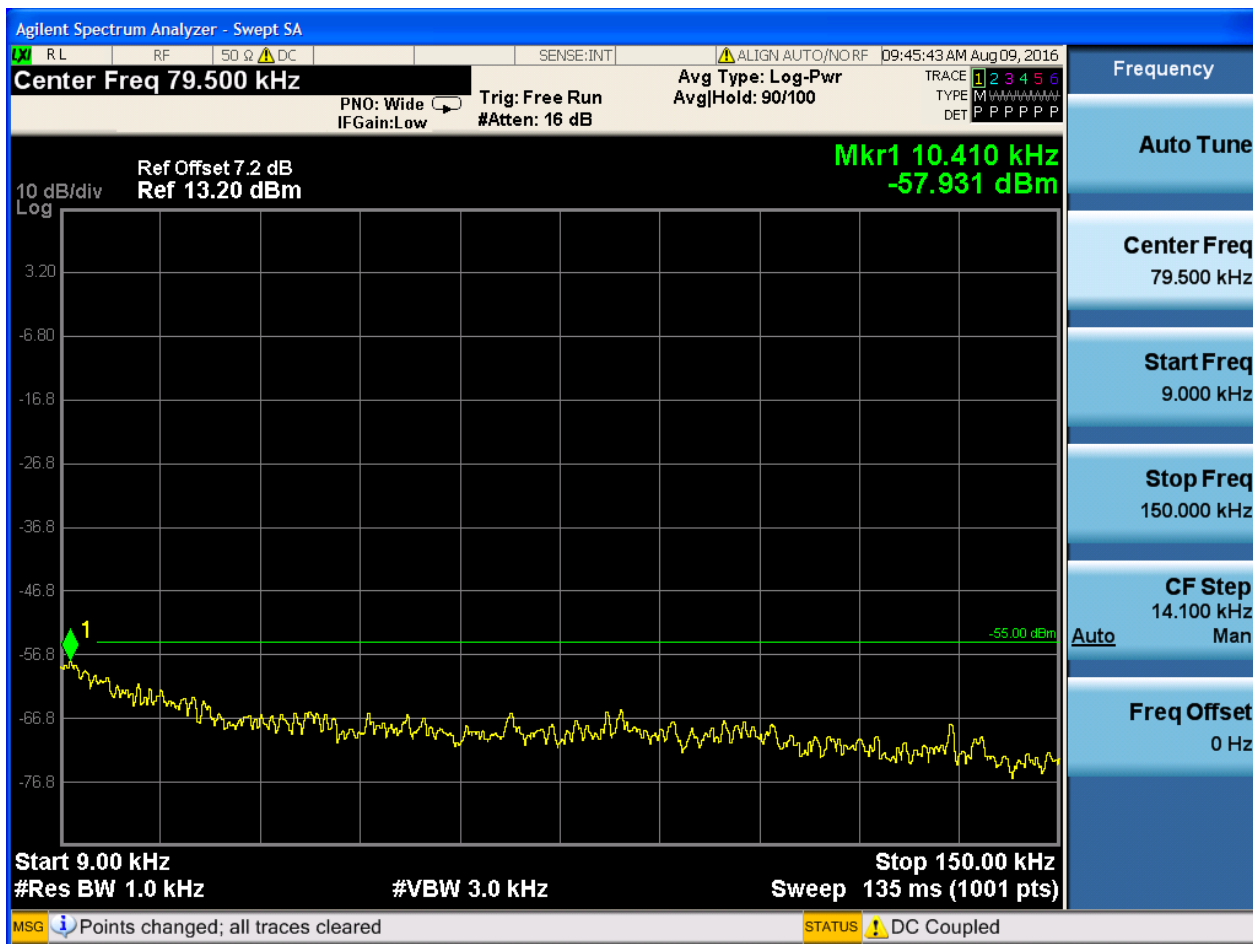


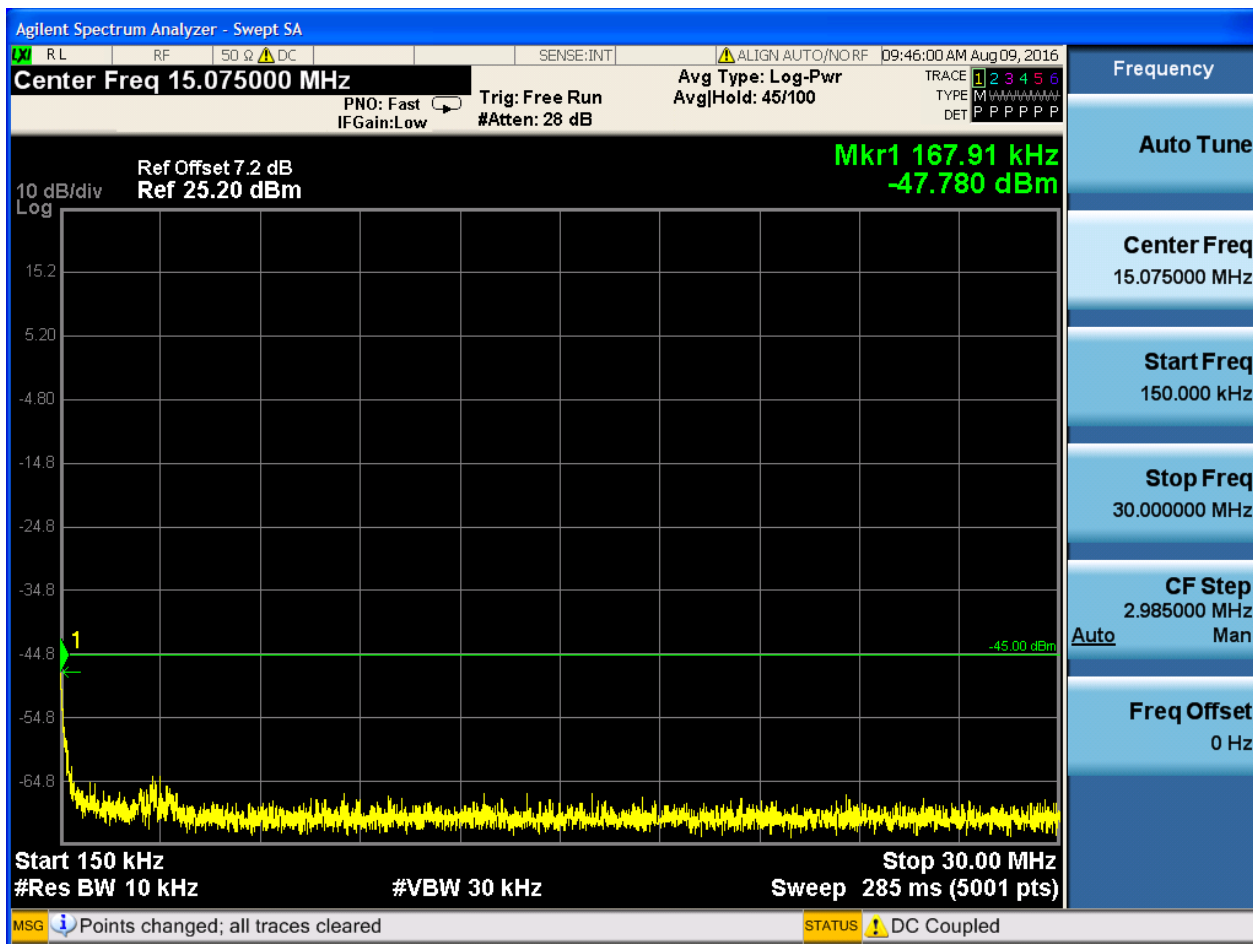


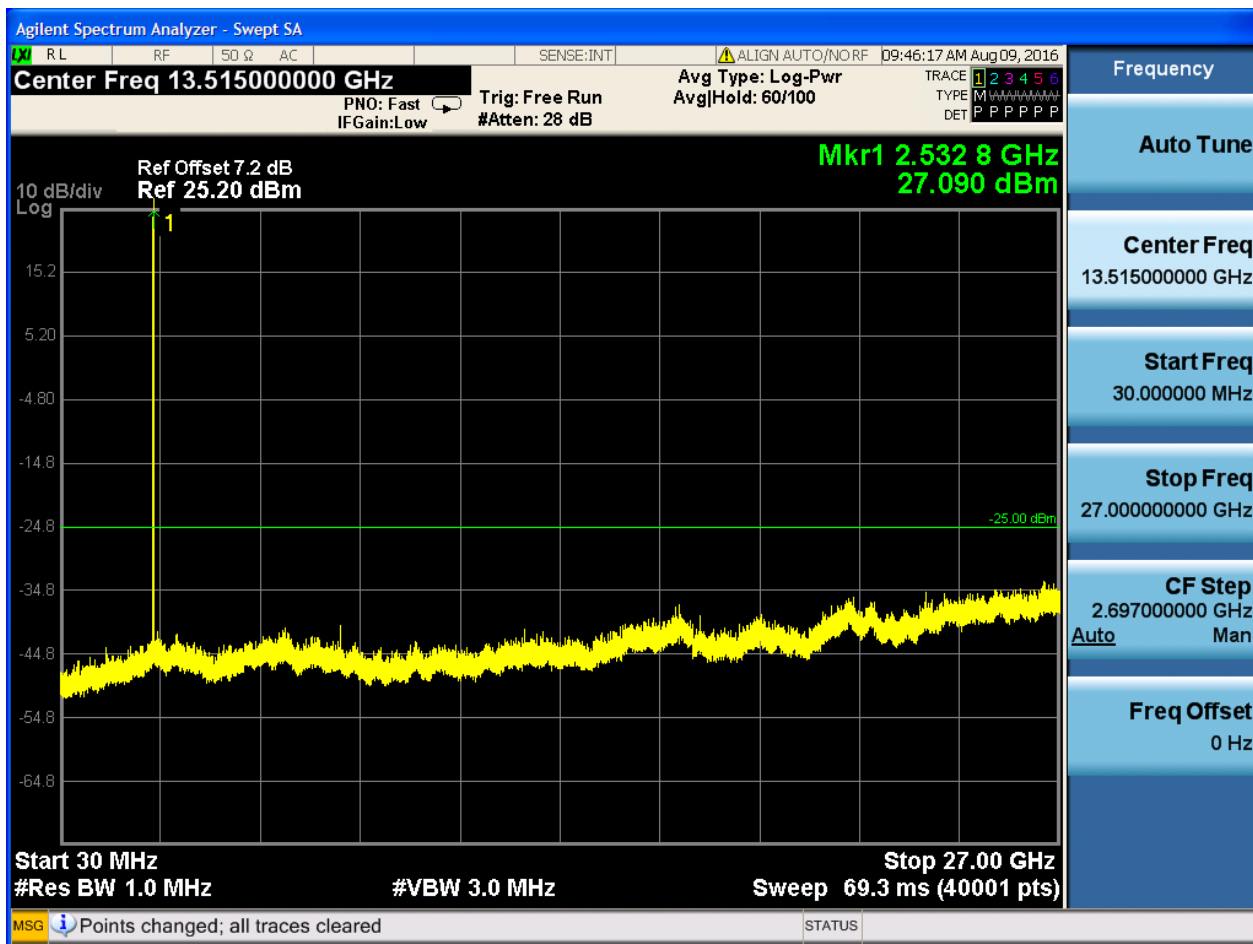


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



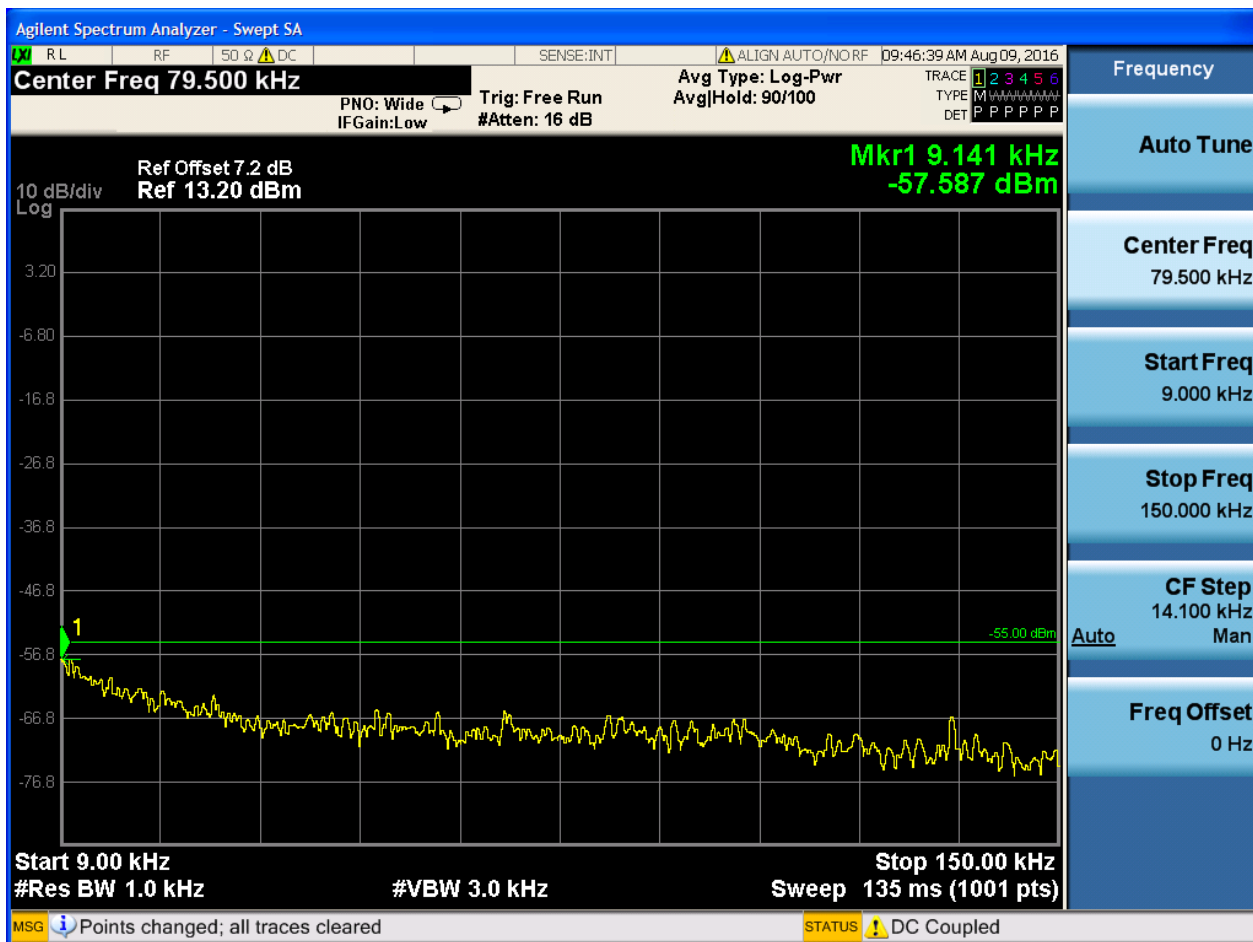






6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



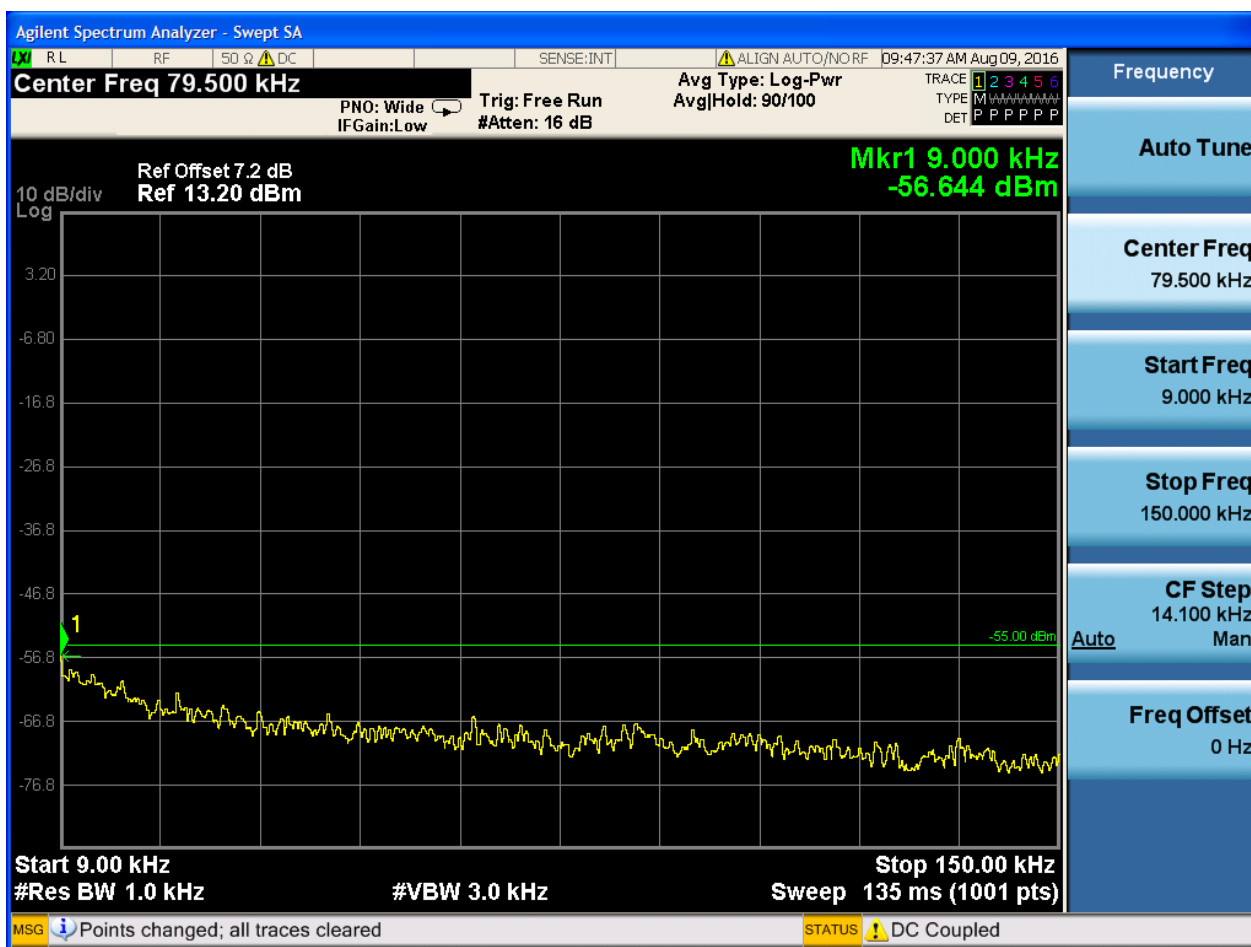


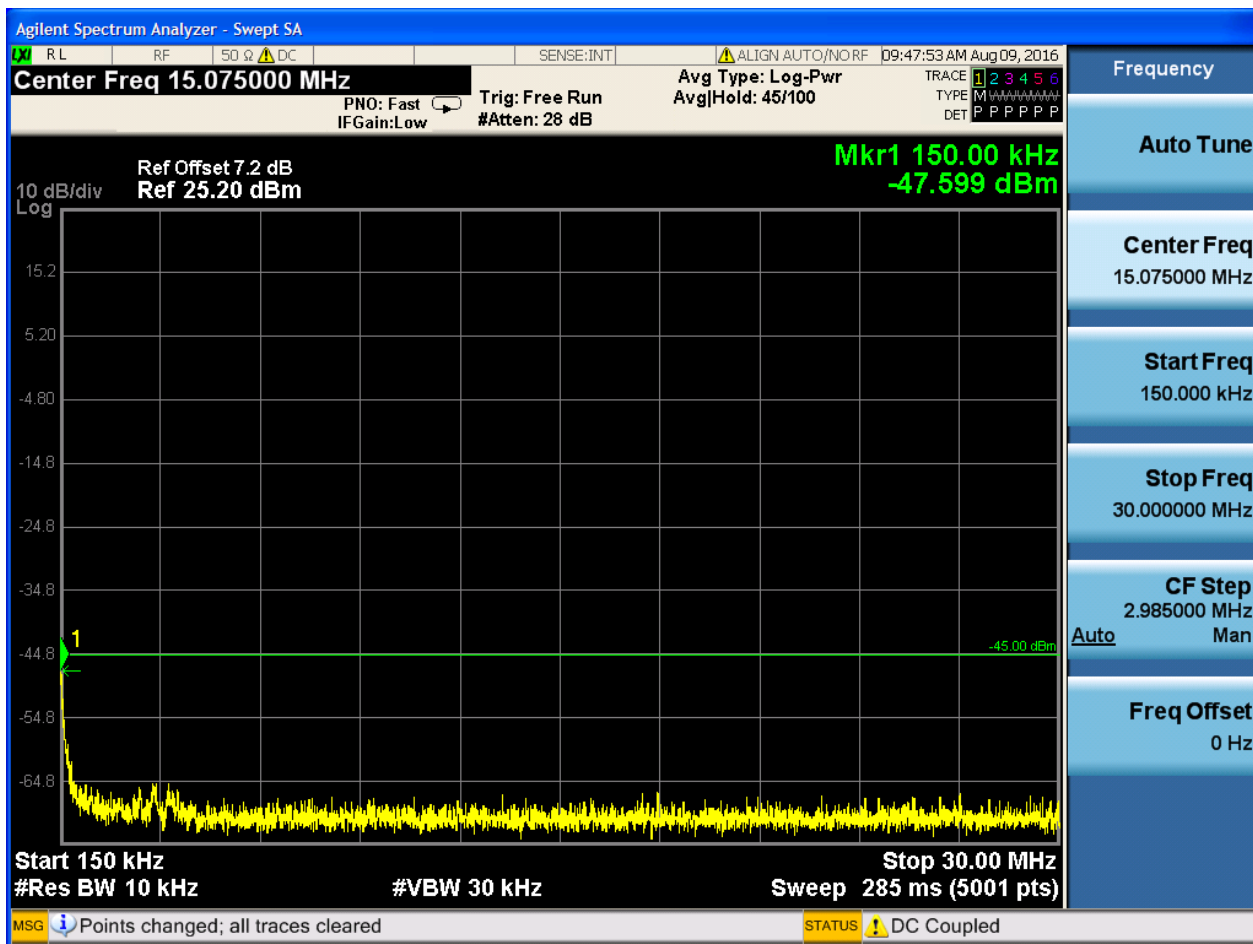


6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



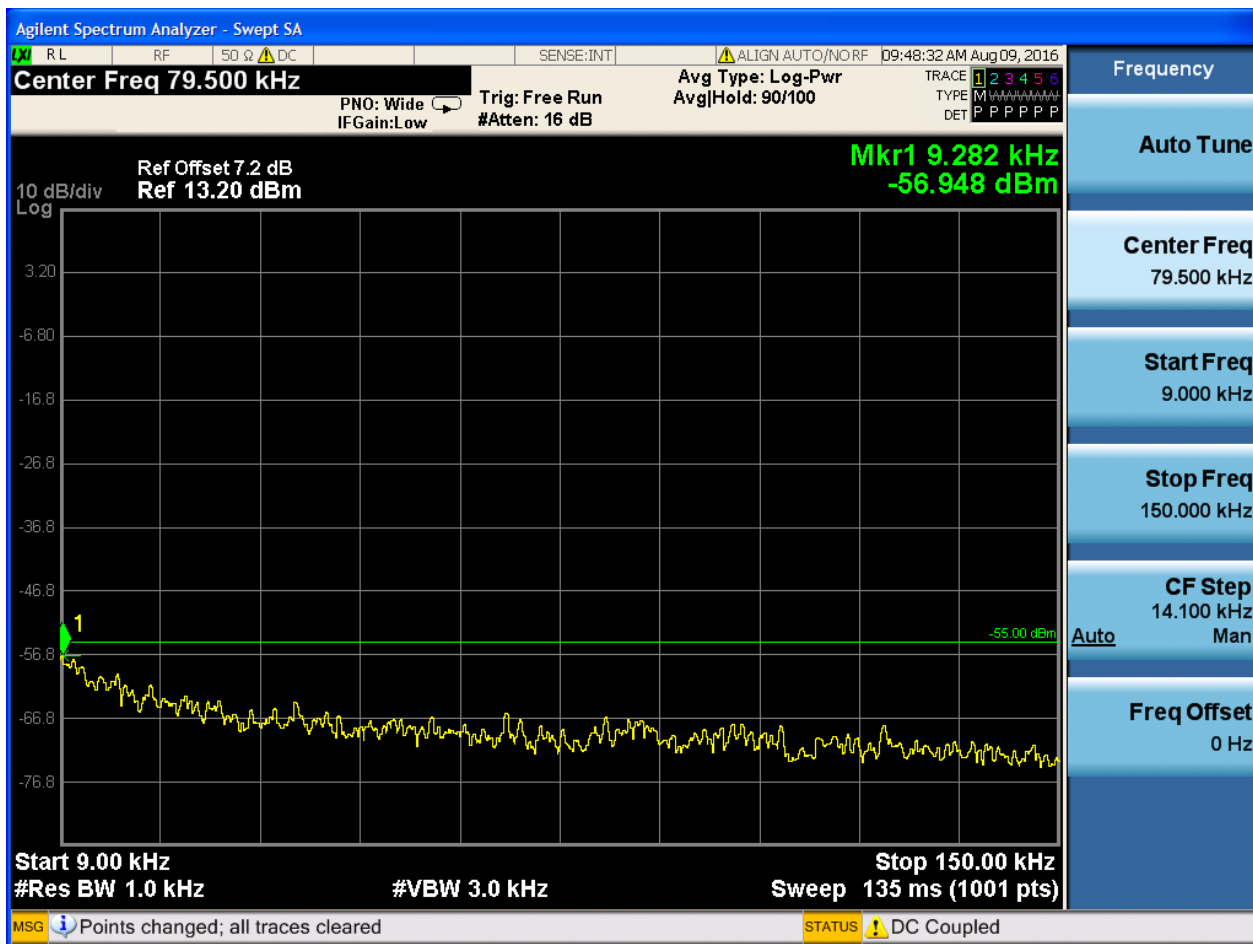


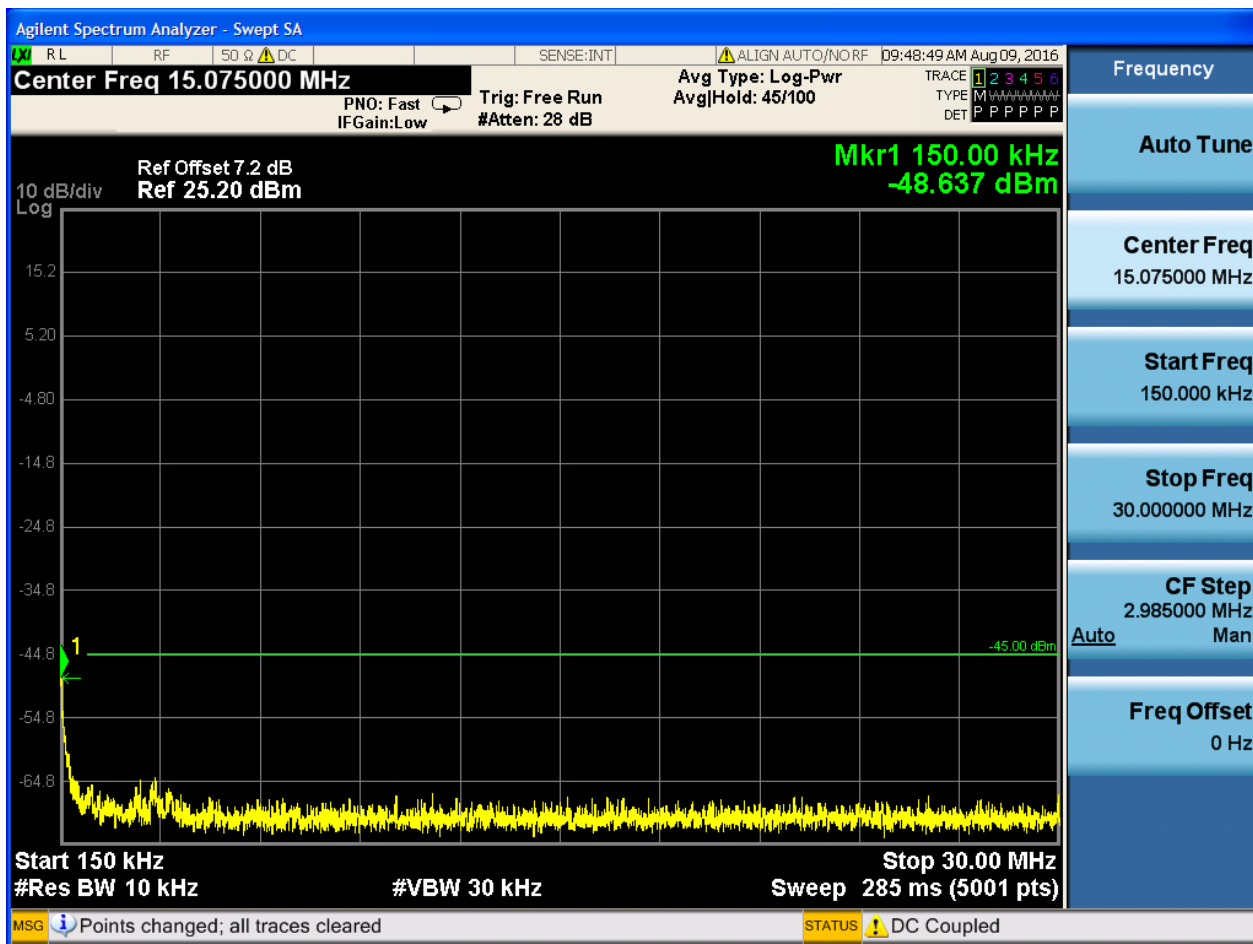


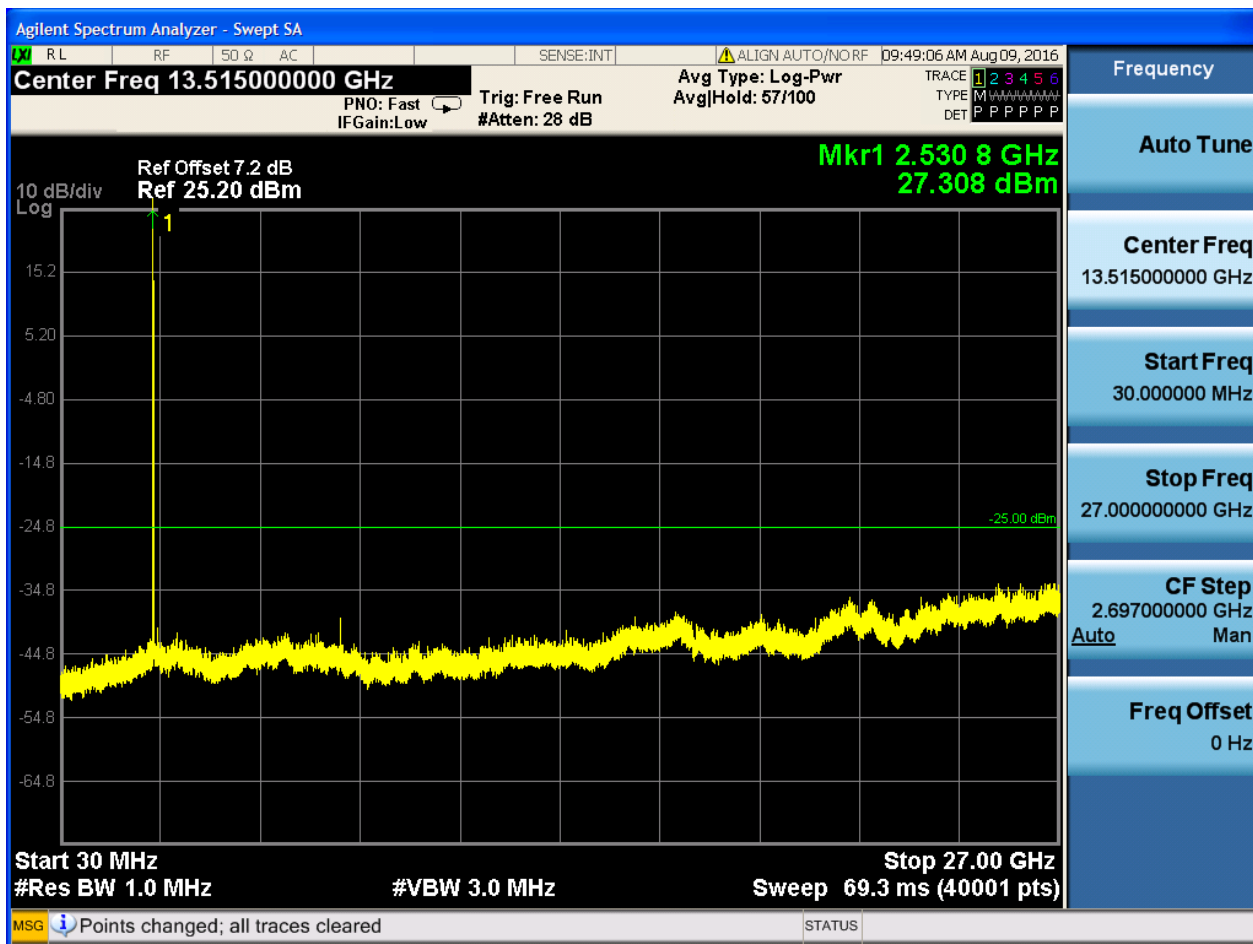


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



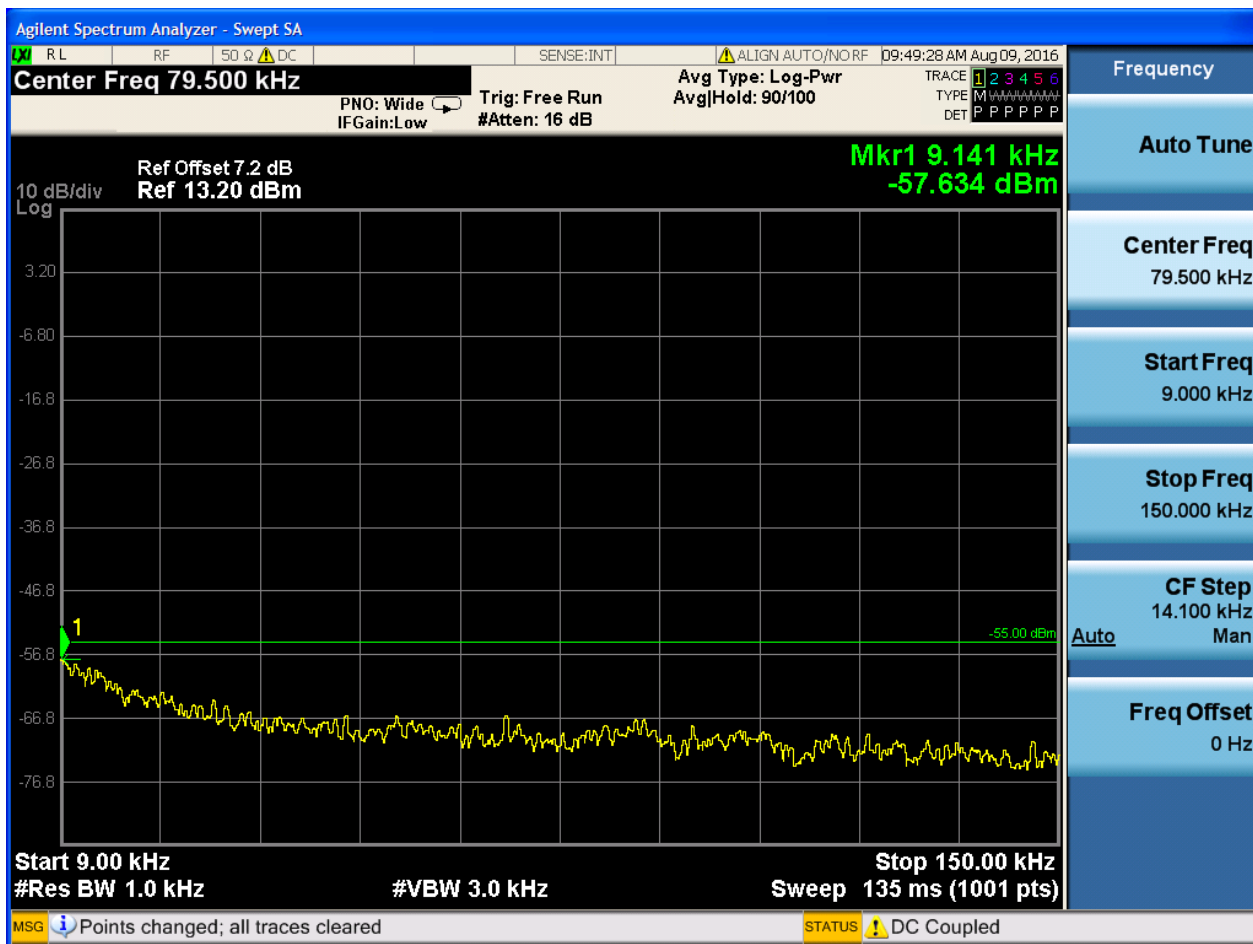


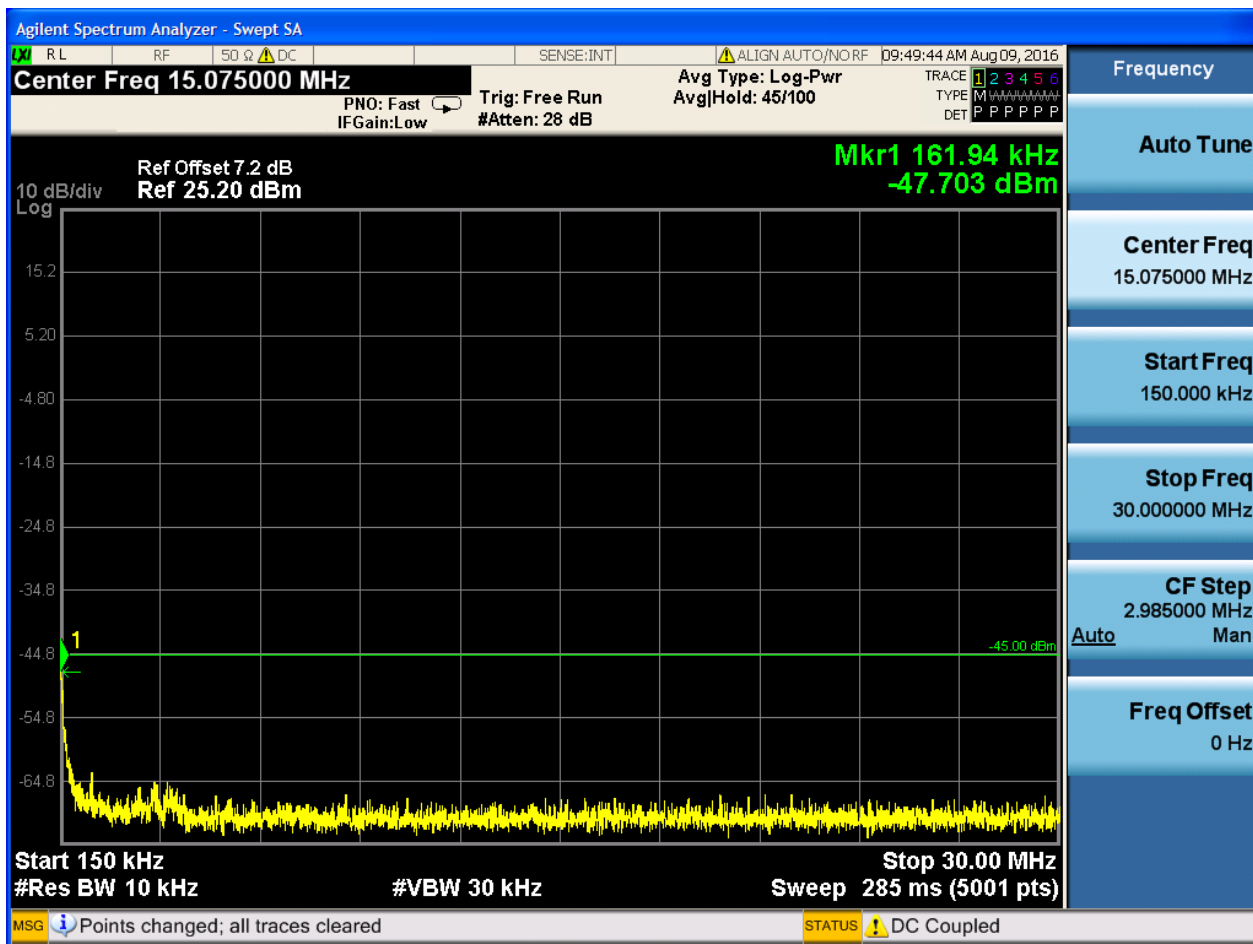


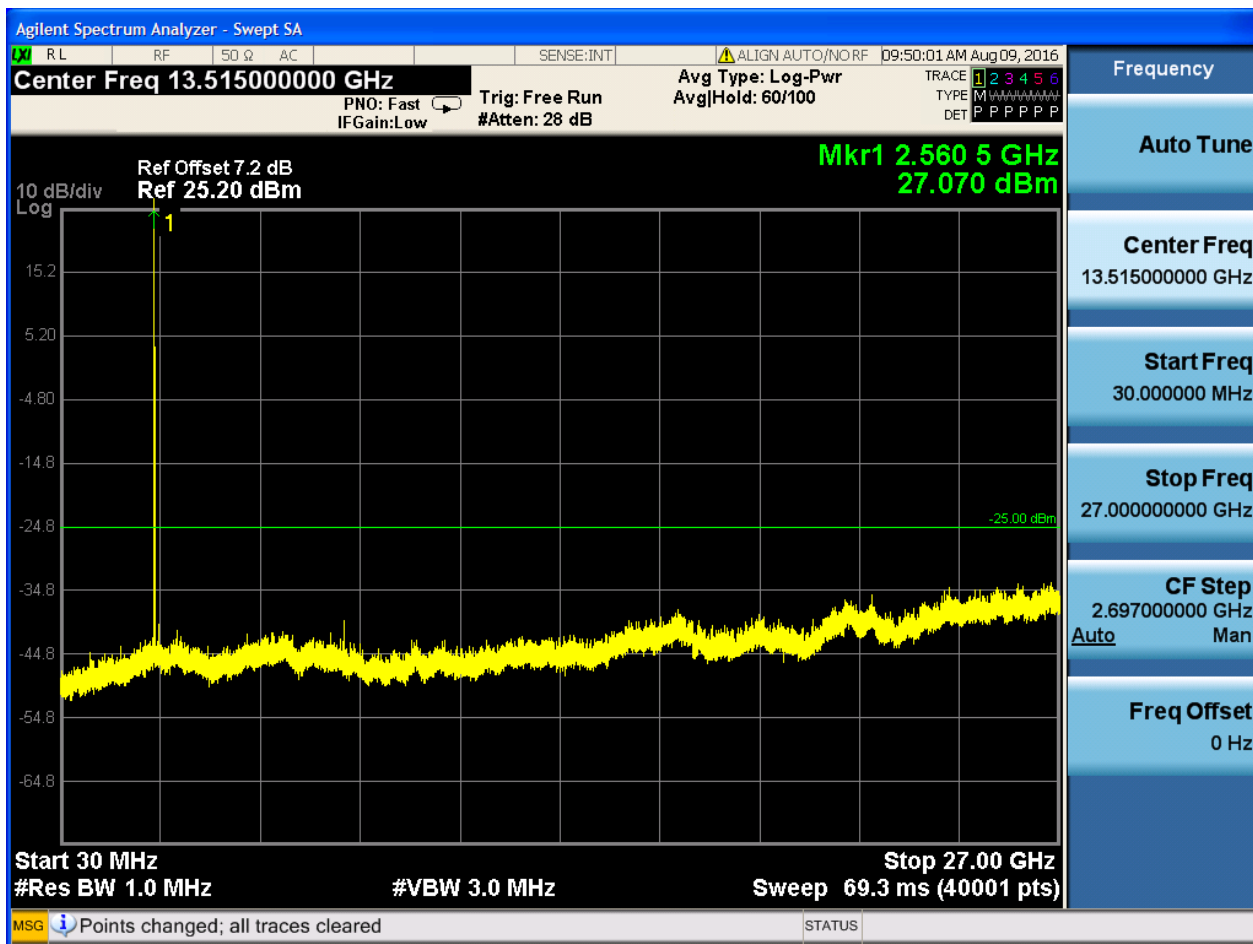


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





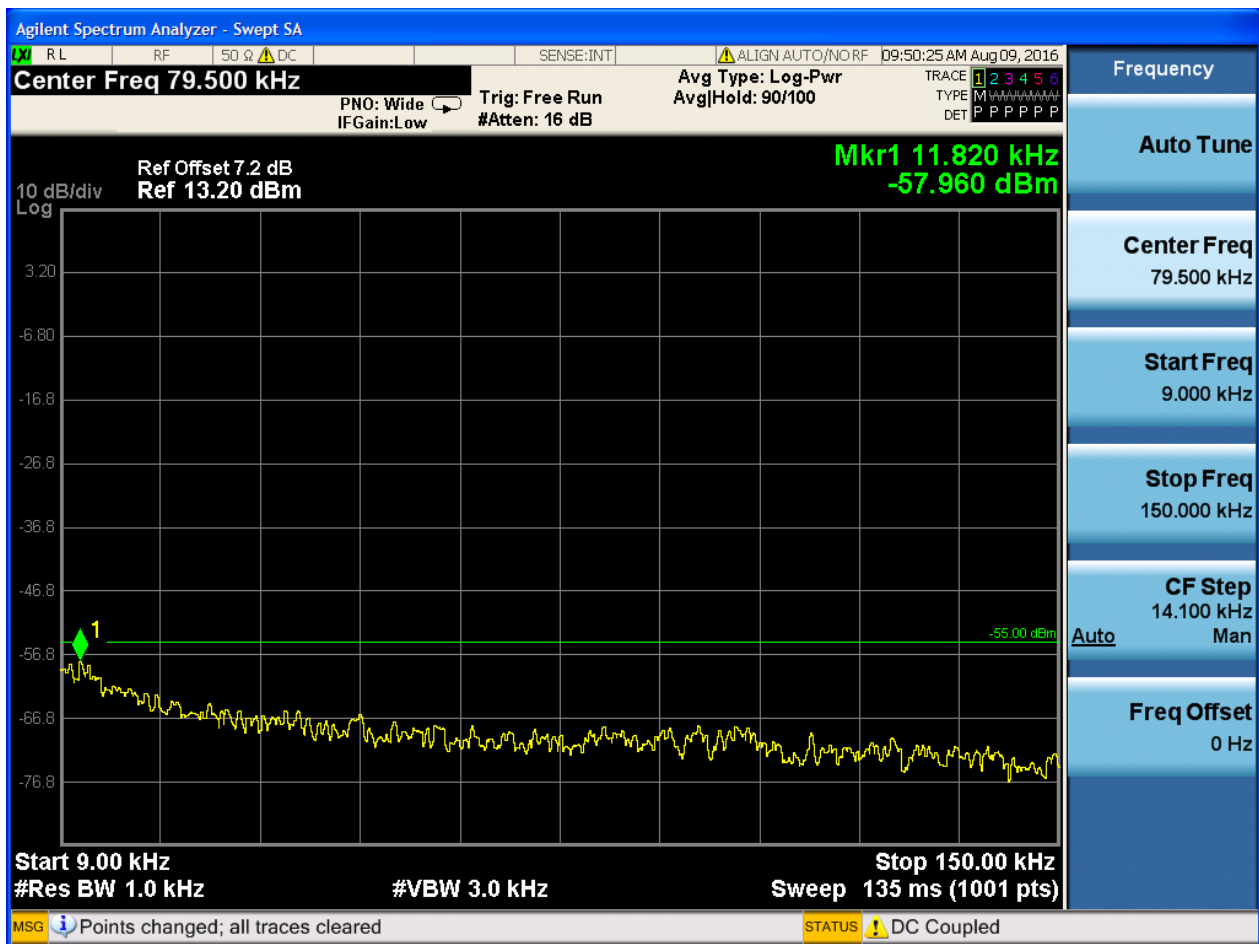


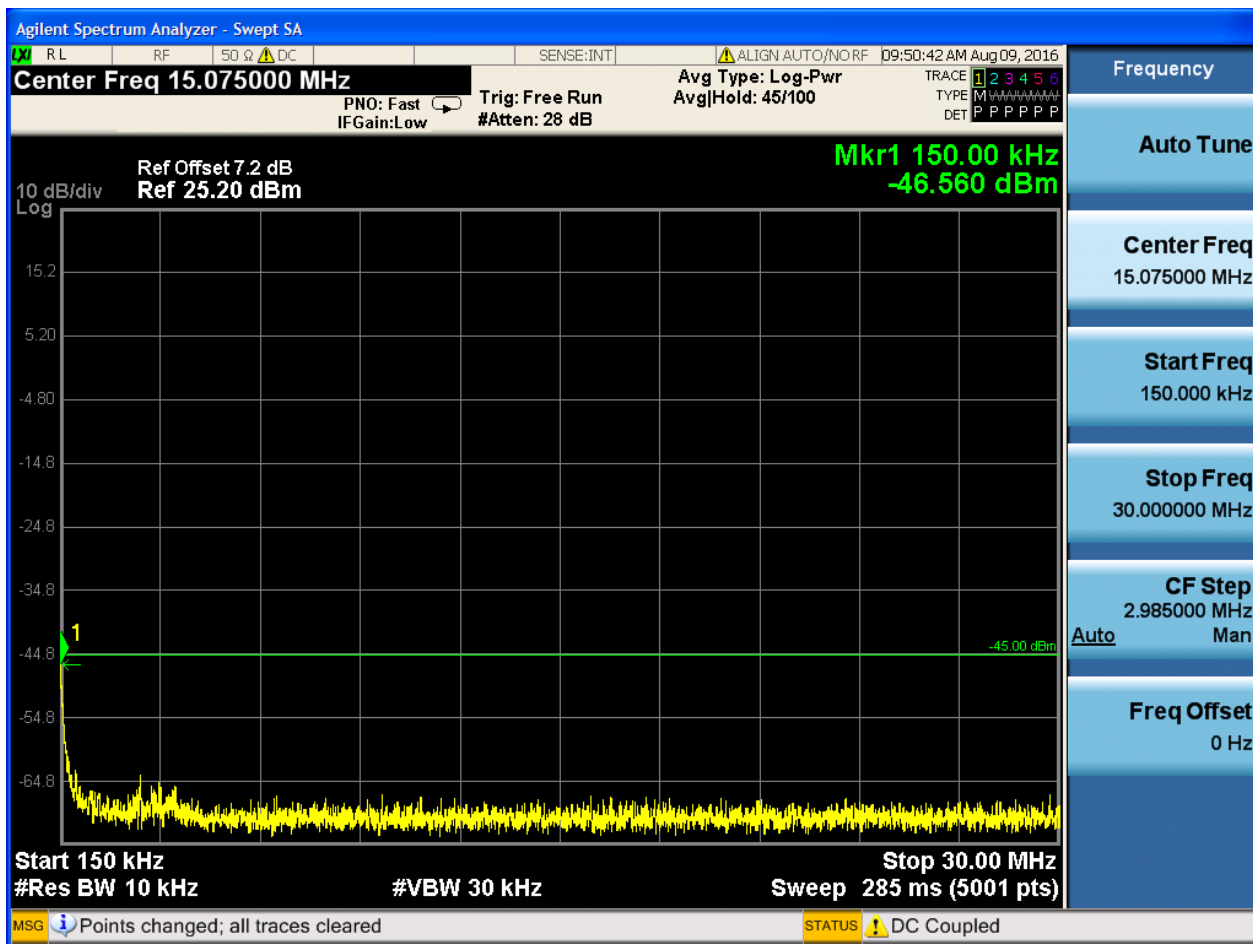


6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



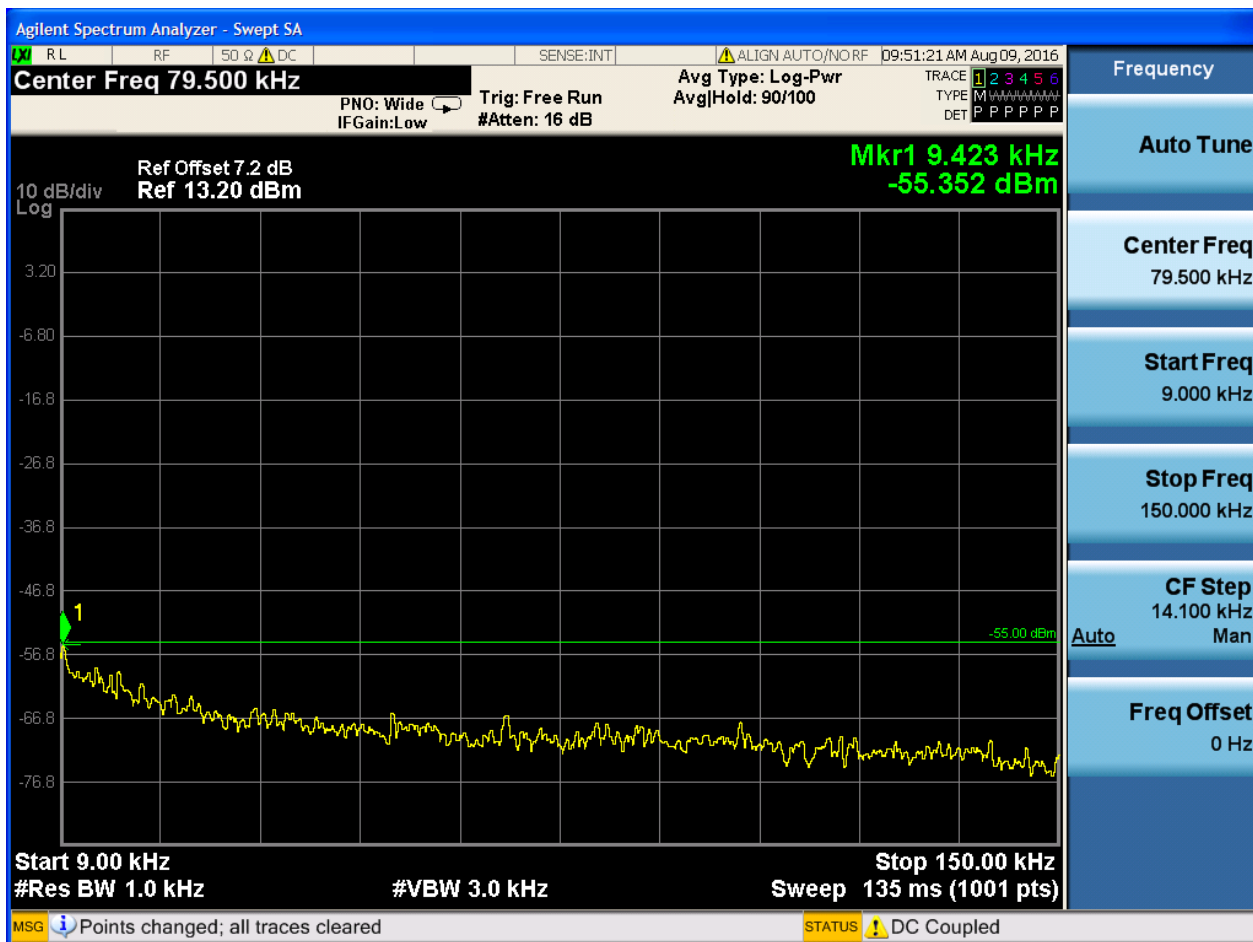


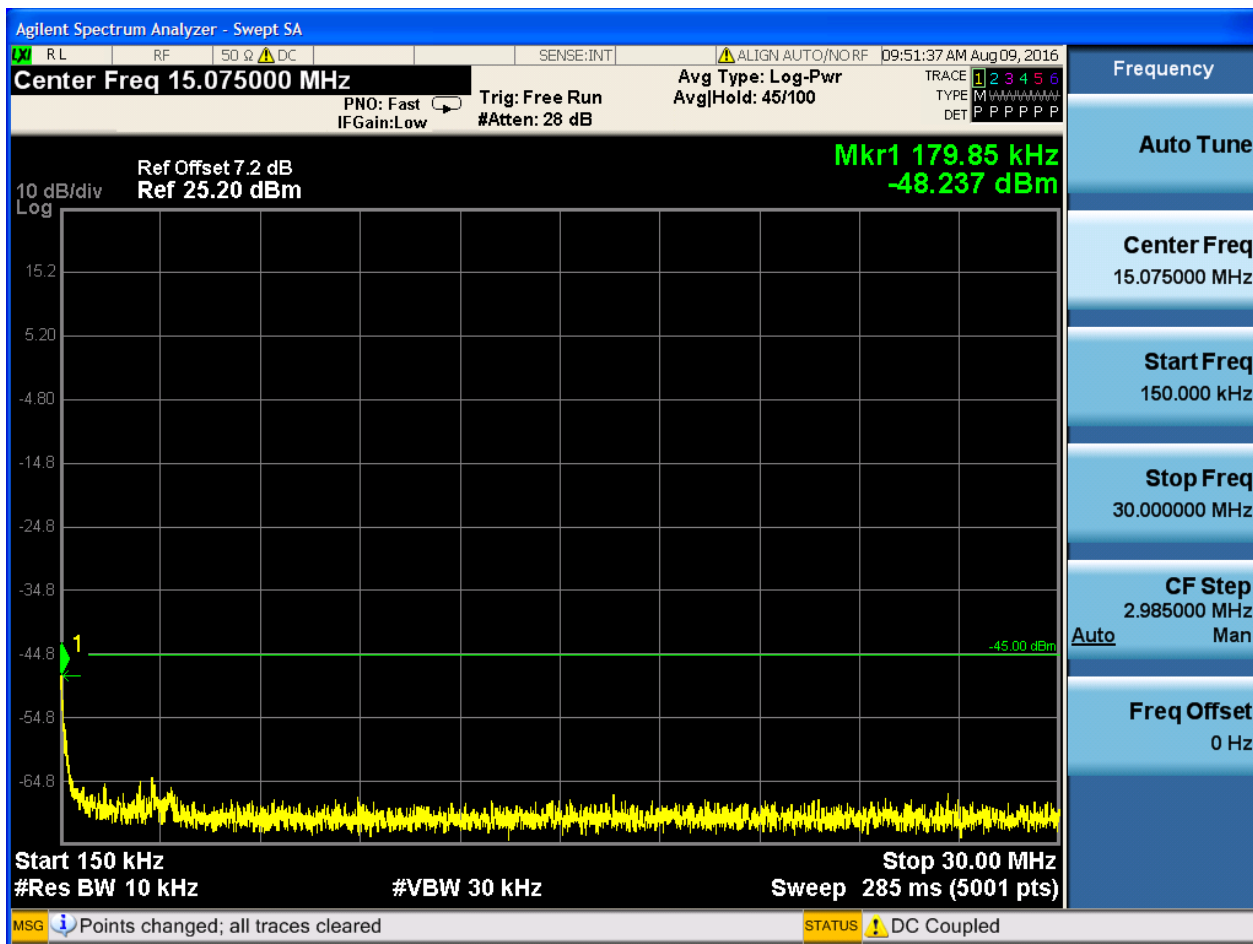


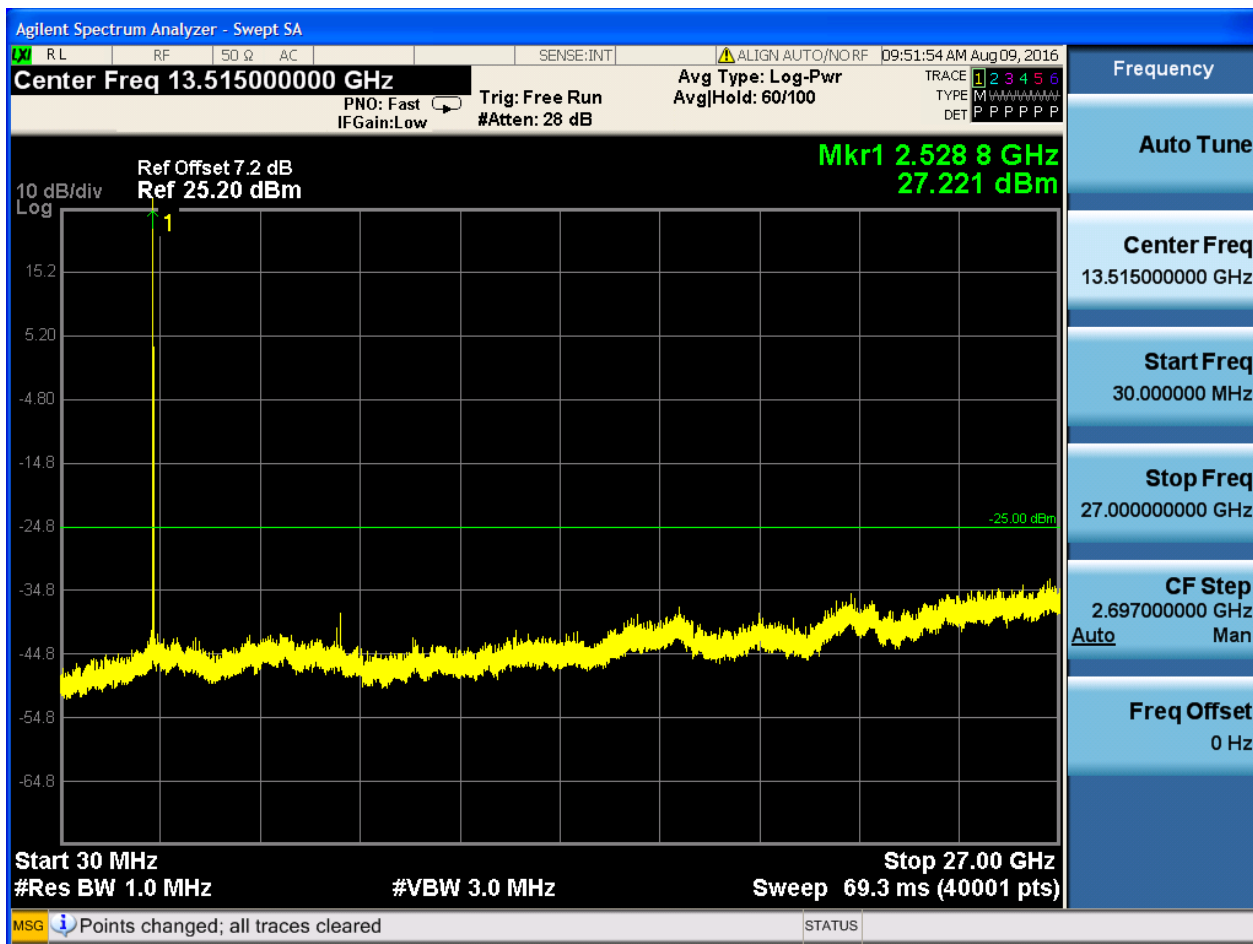


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



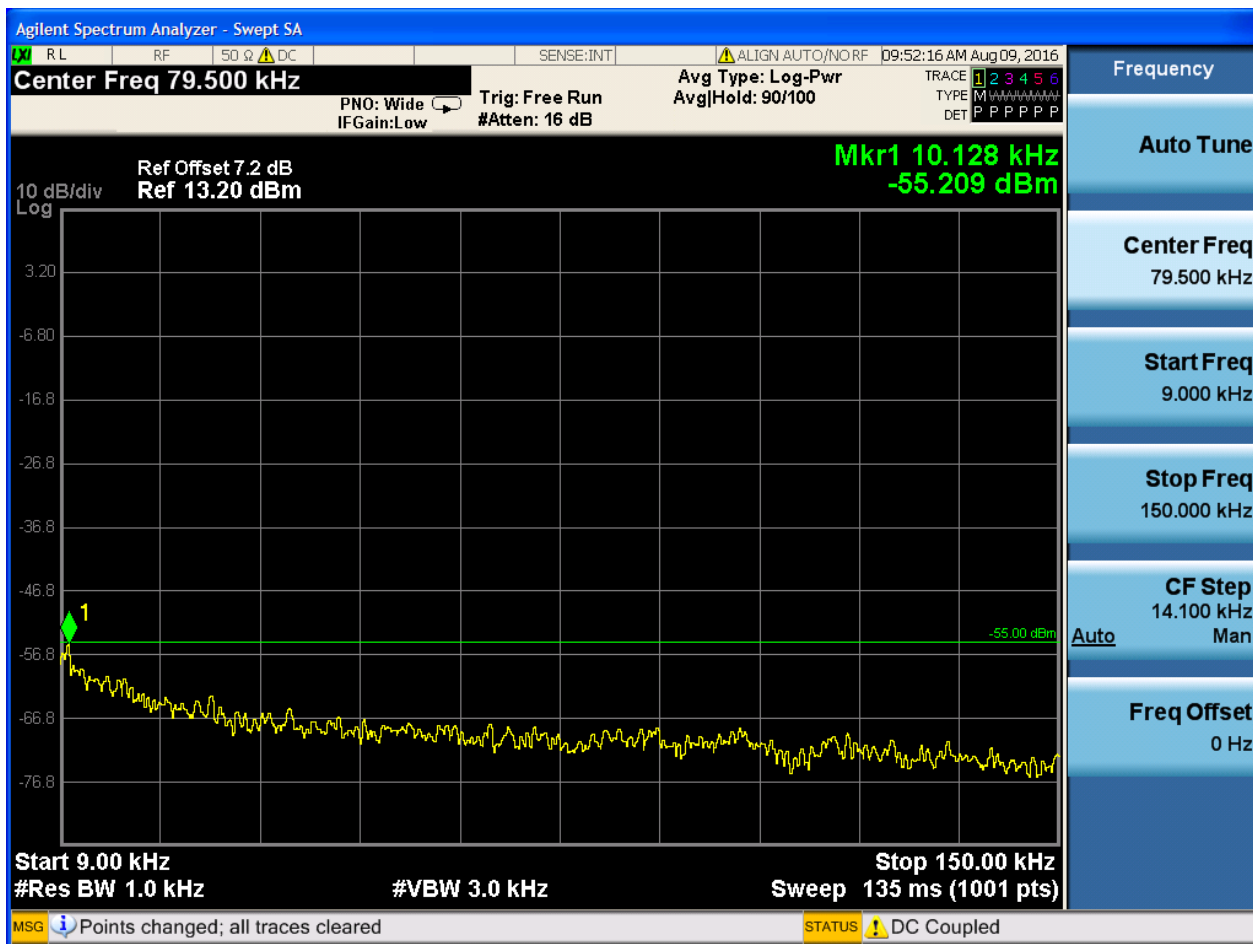






6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



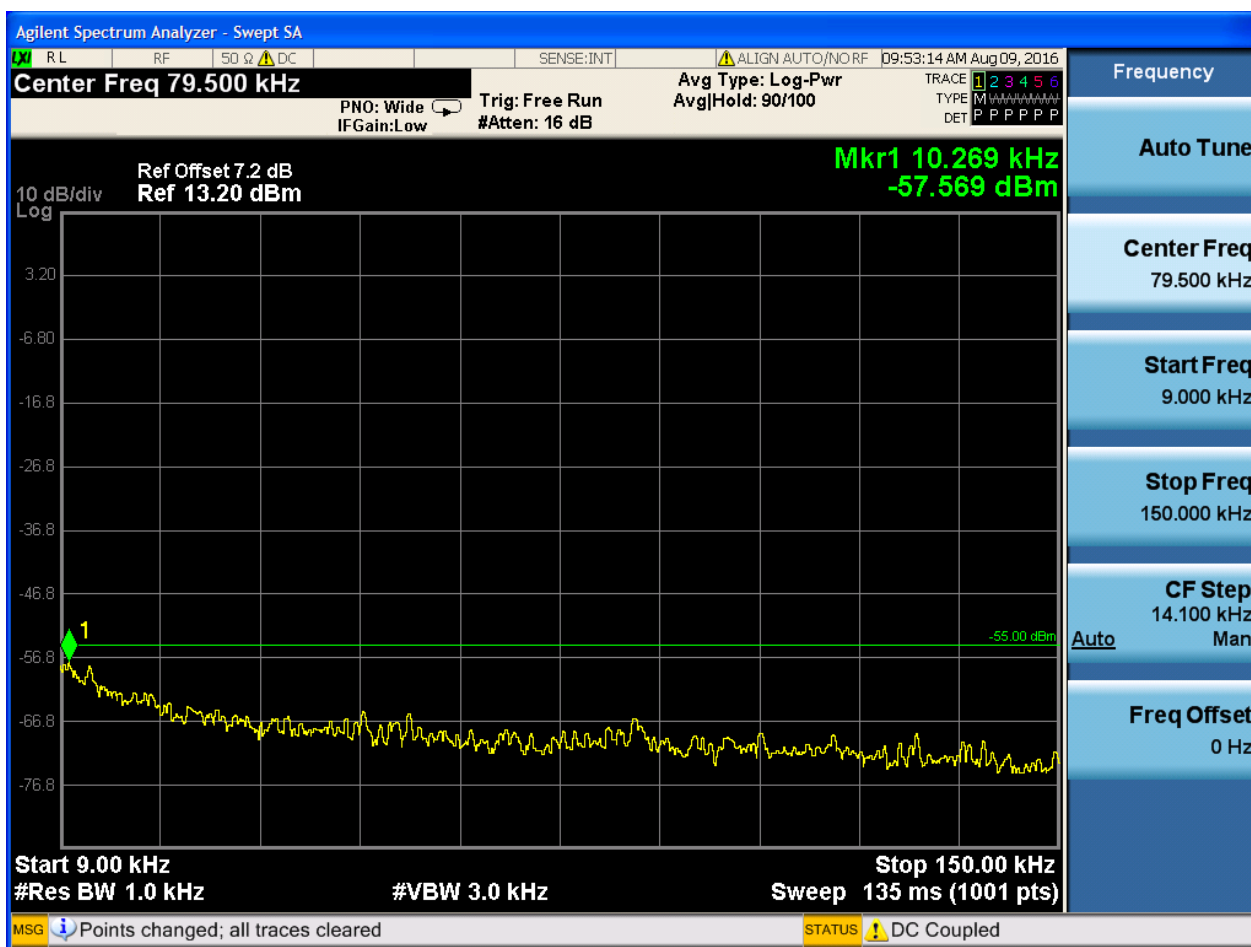




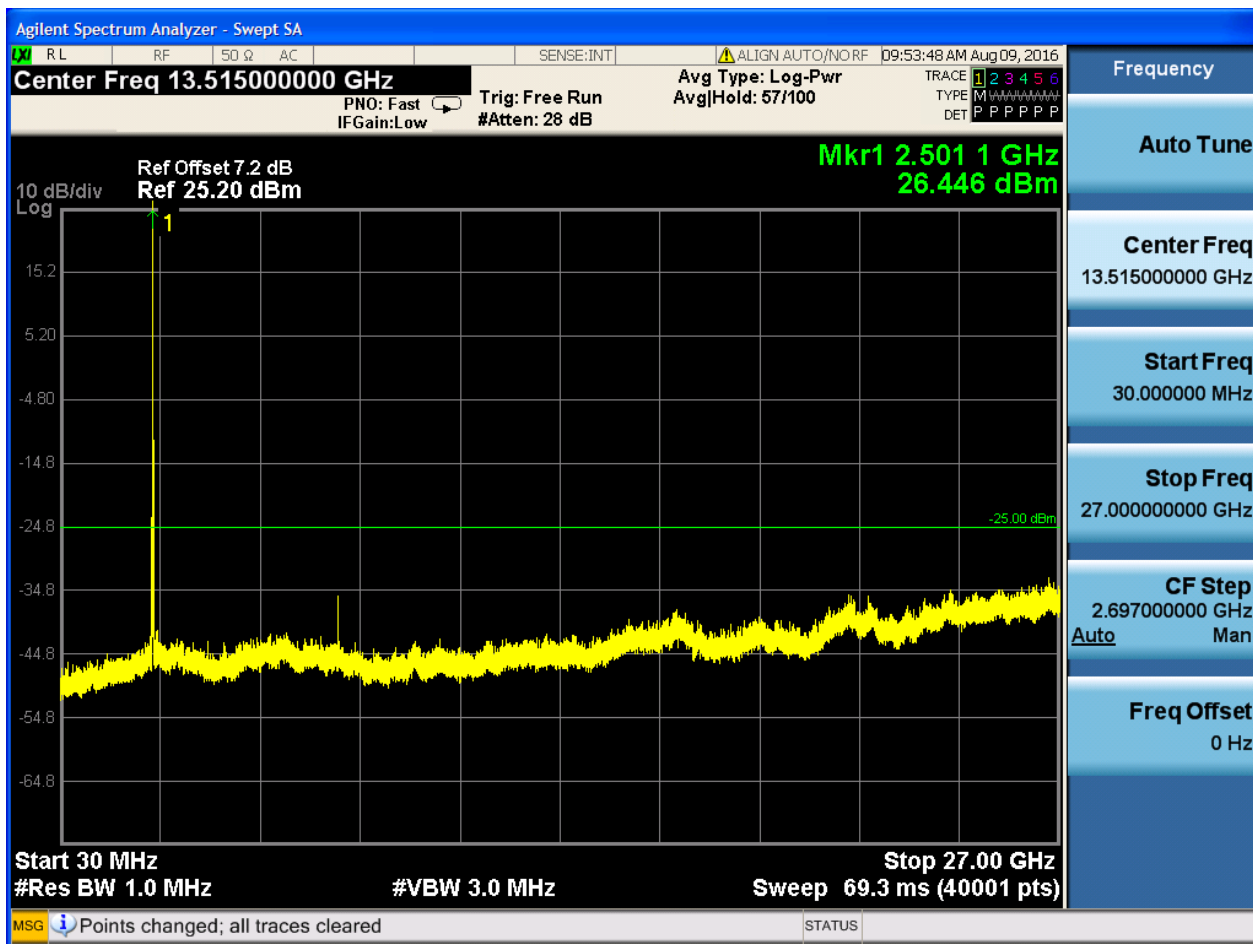
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



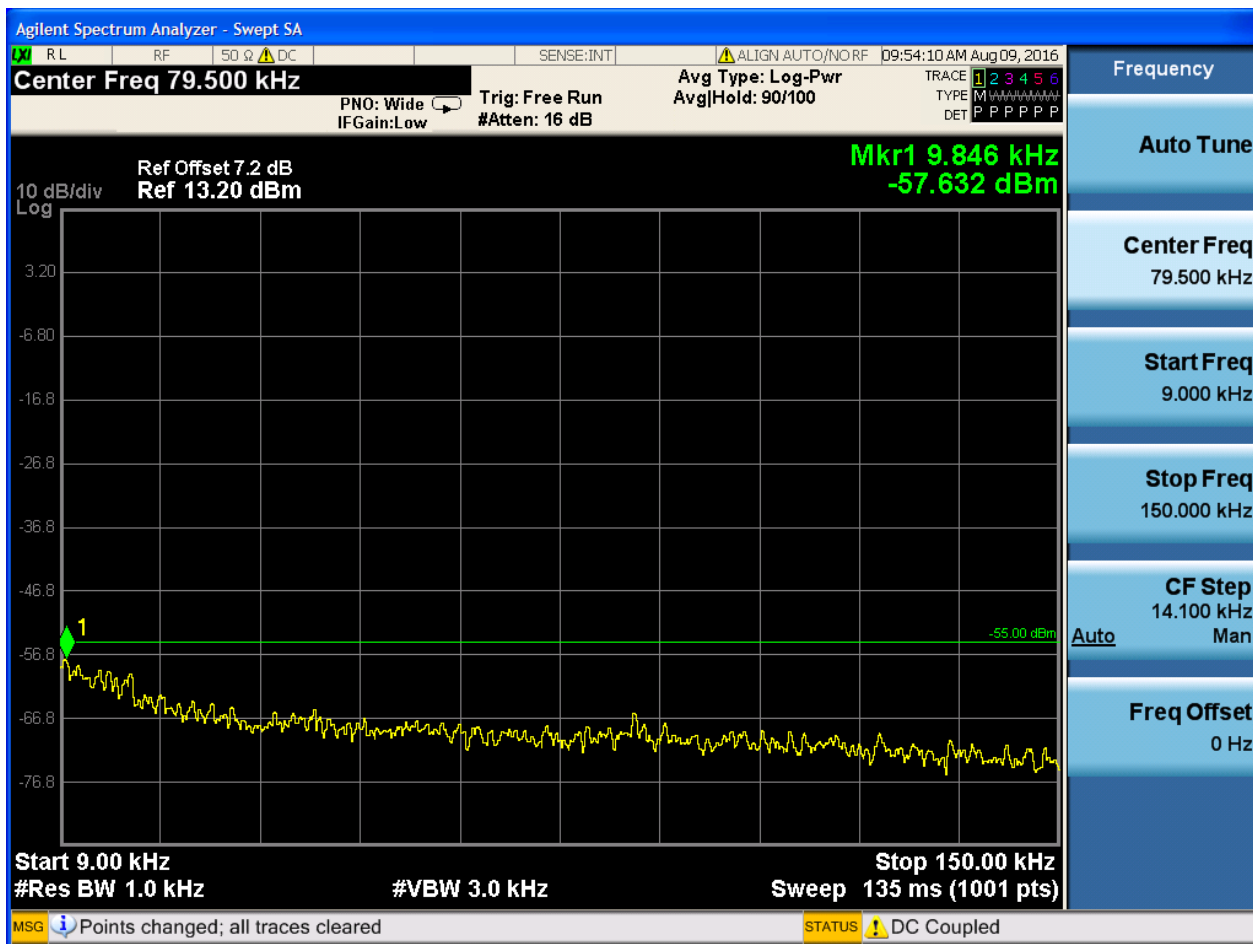






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



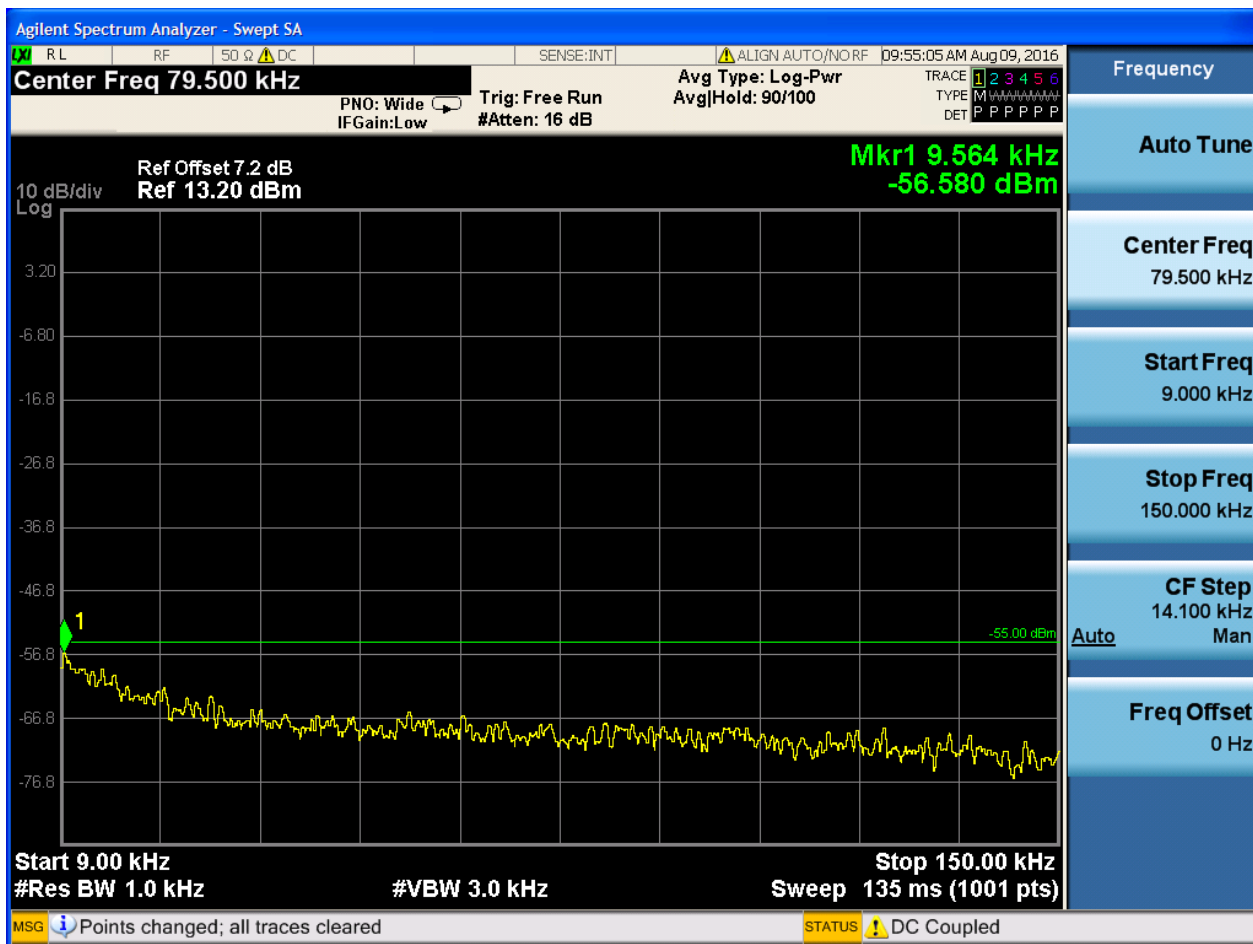


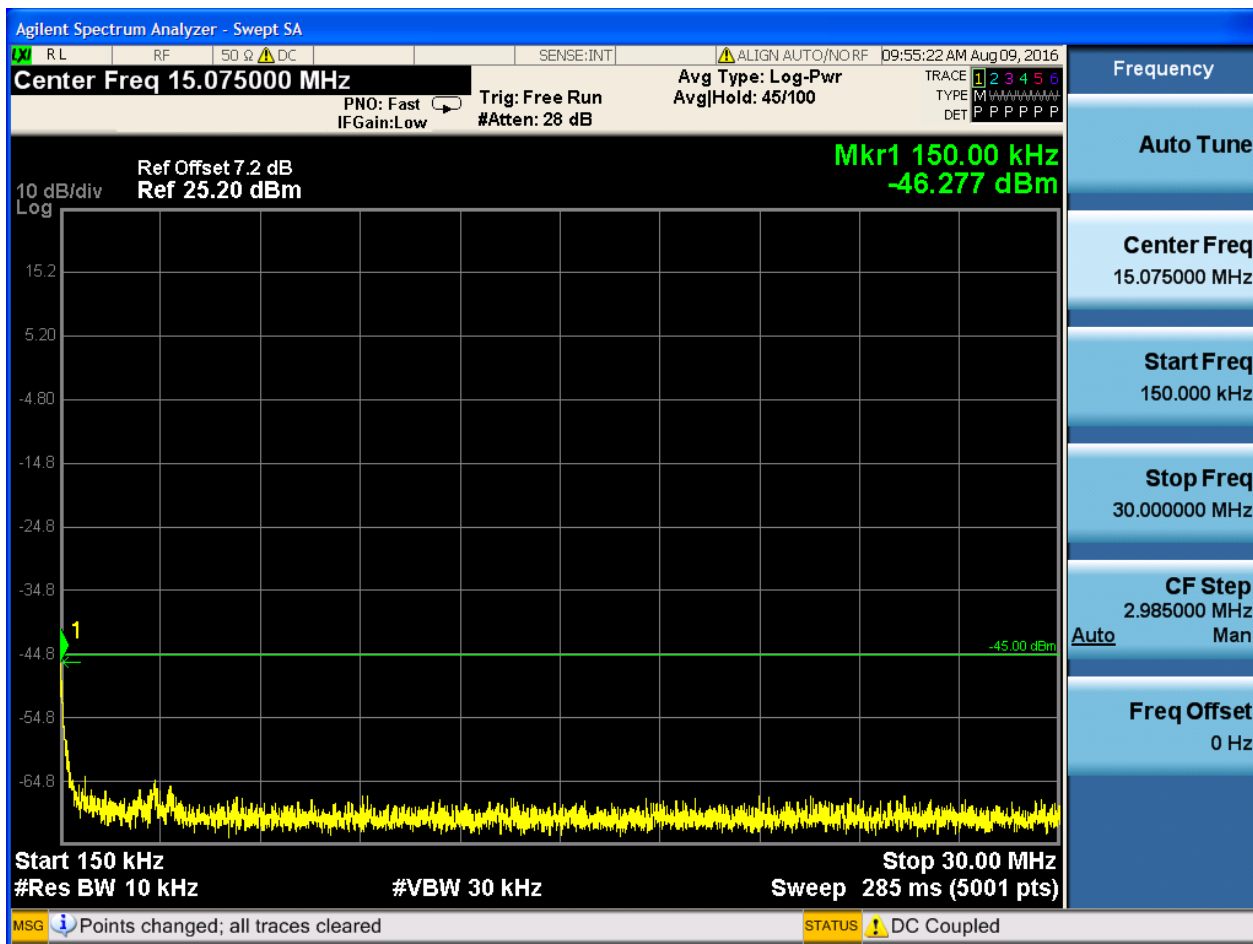


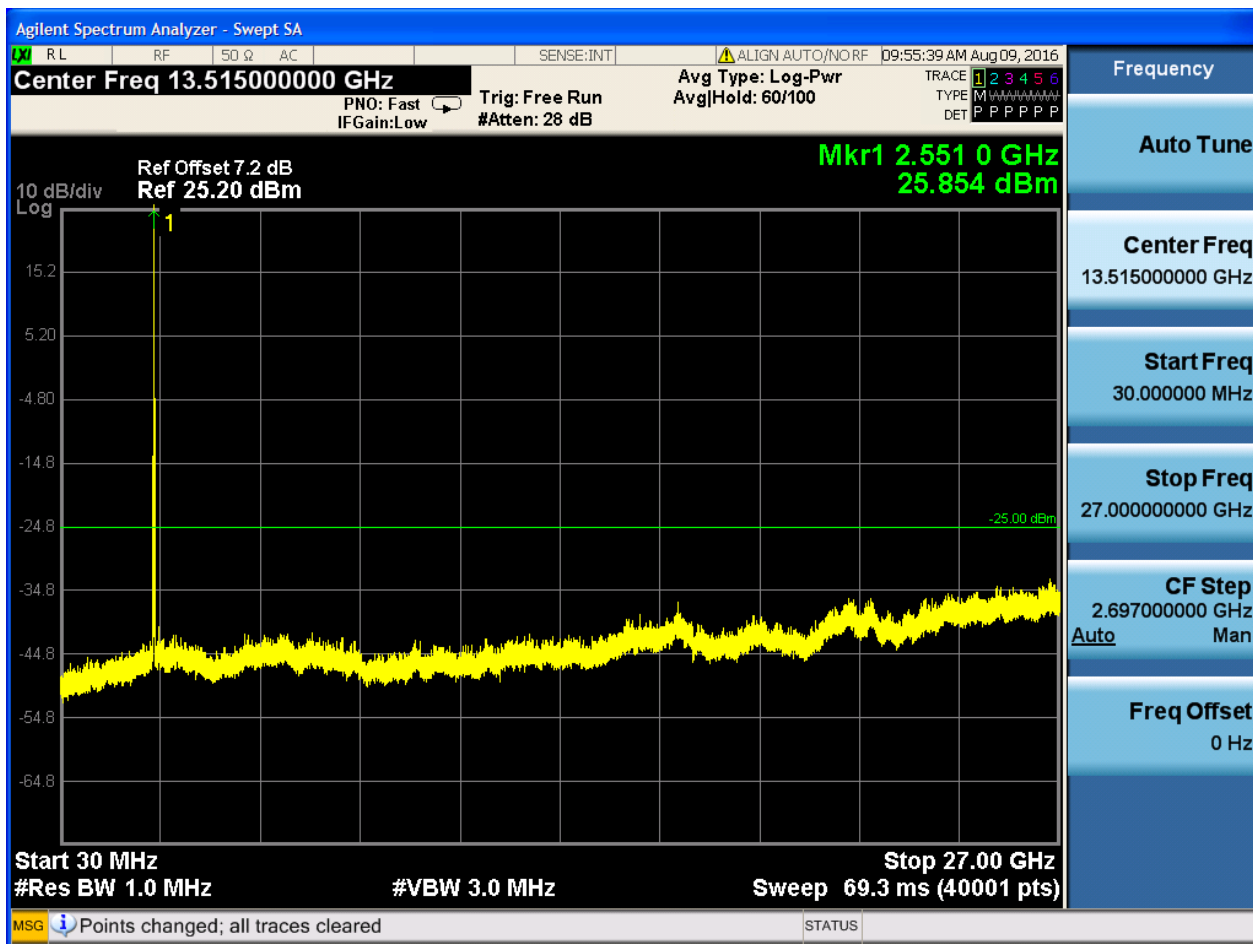


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





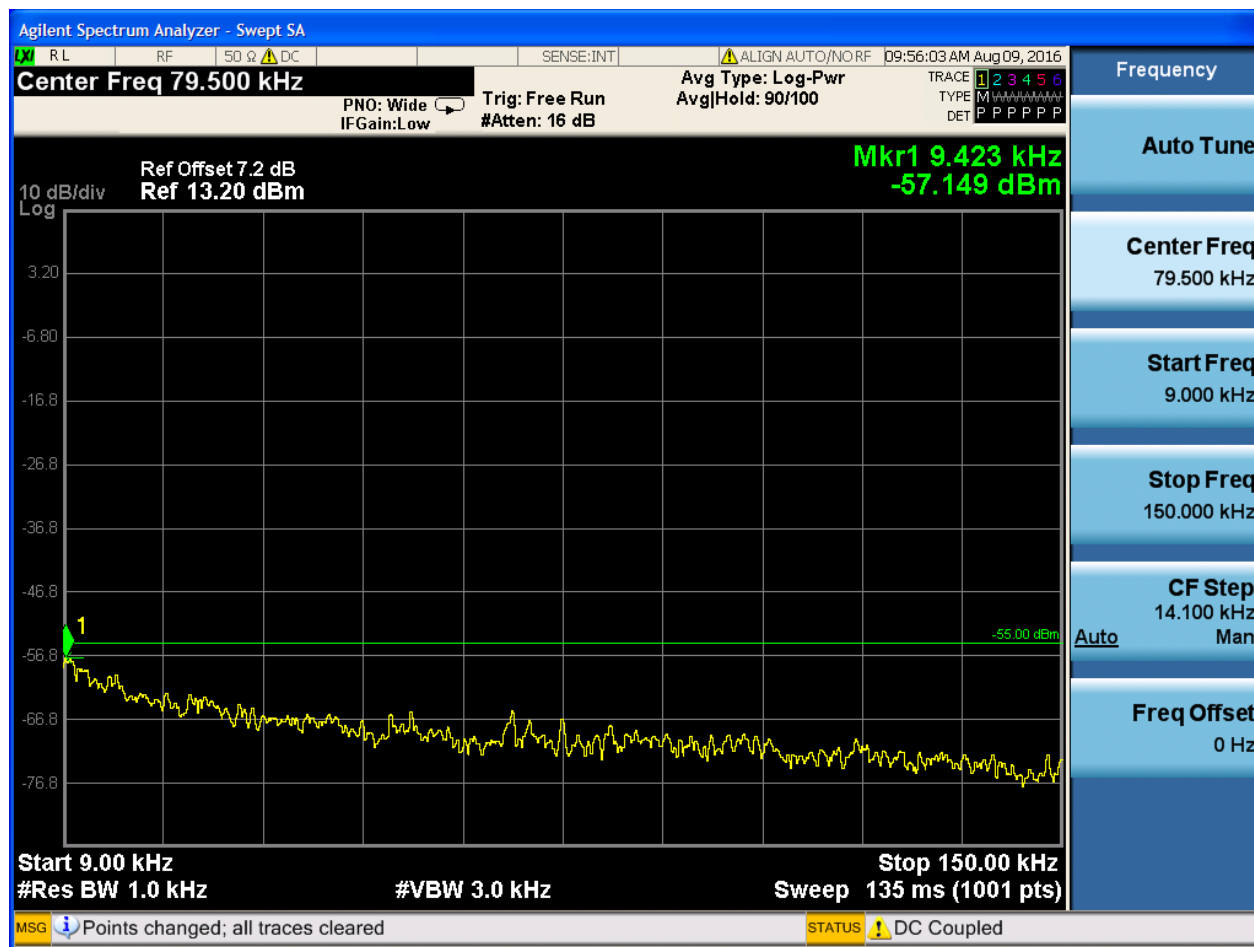


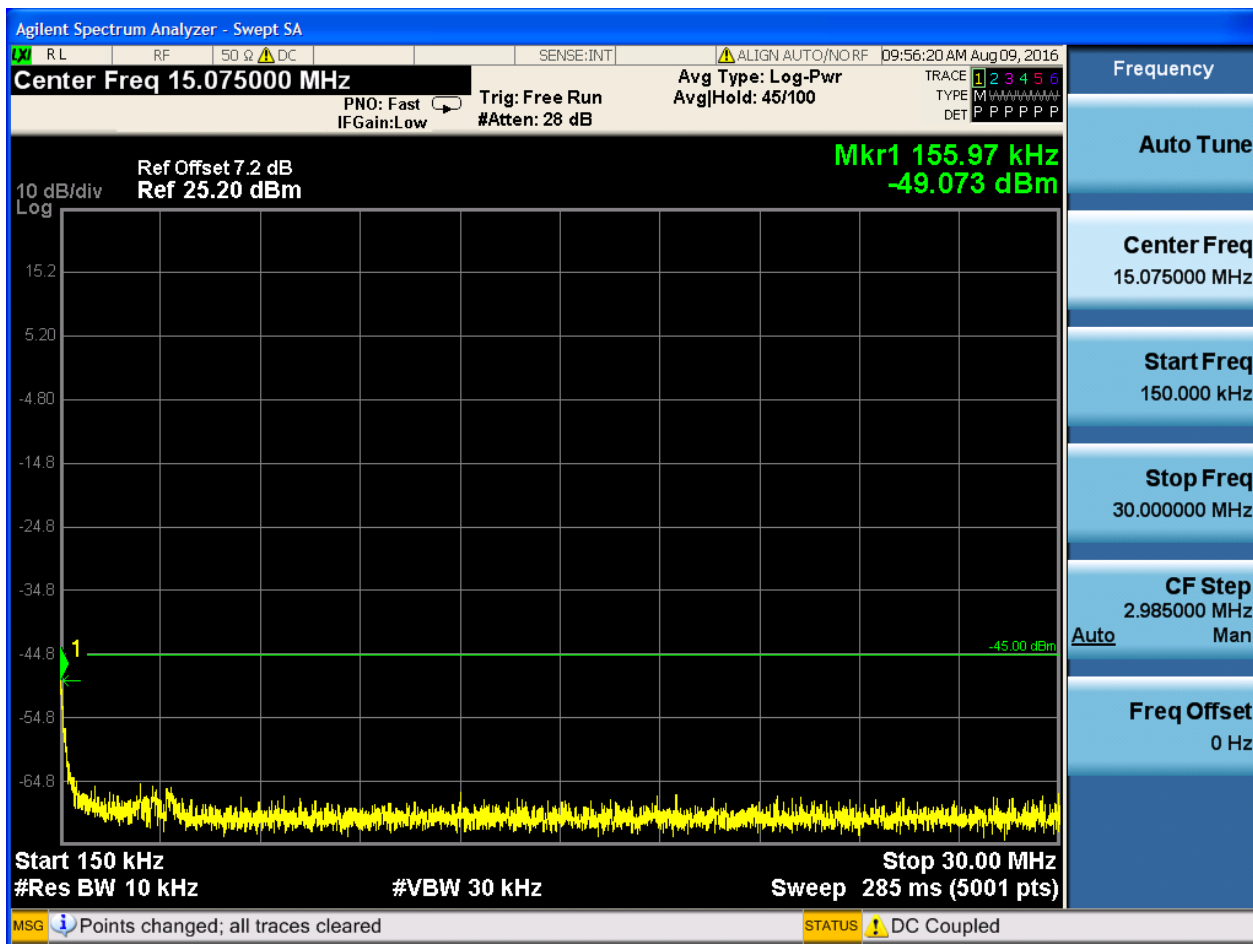
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



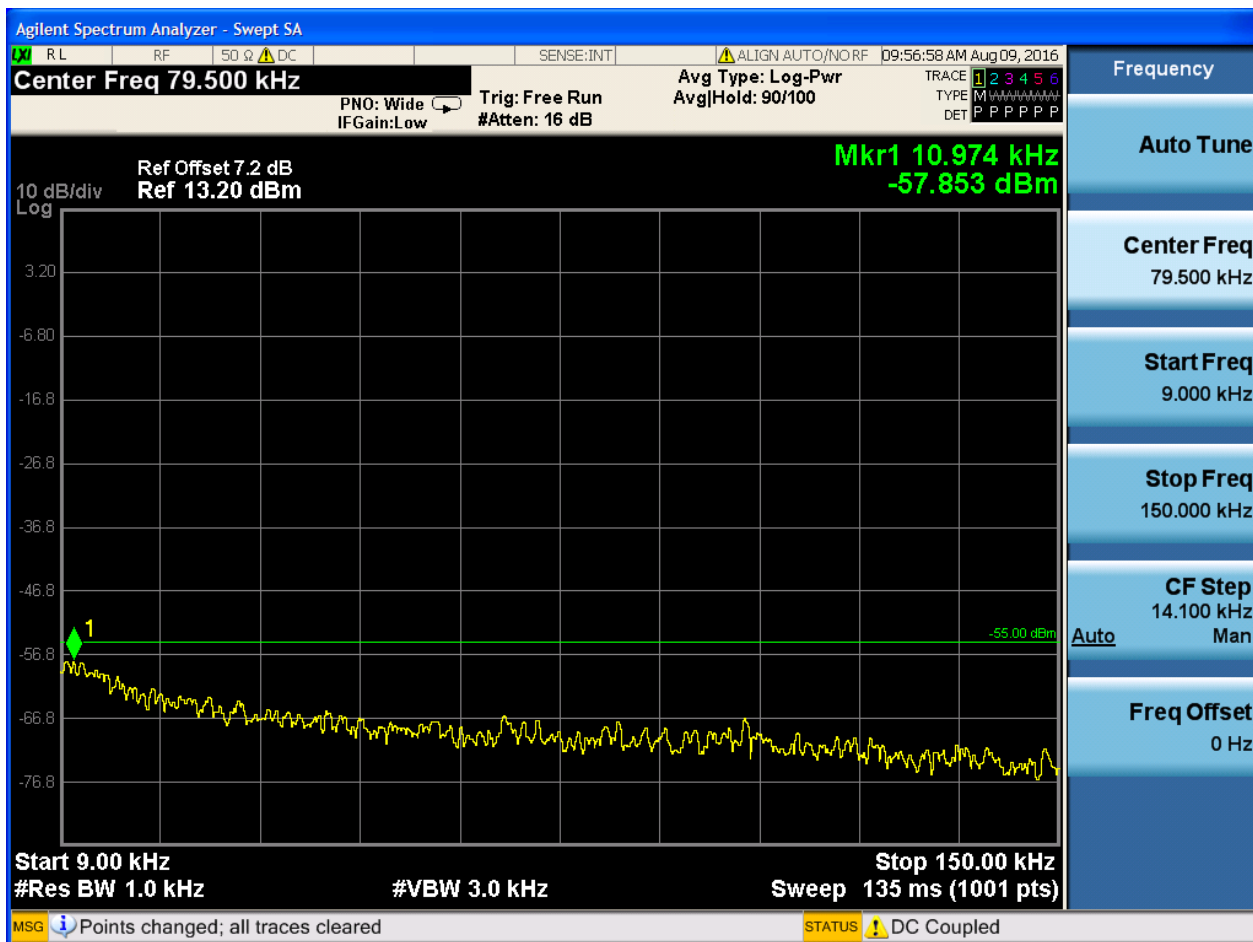


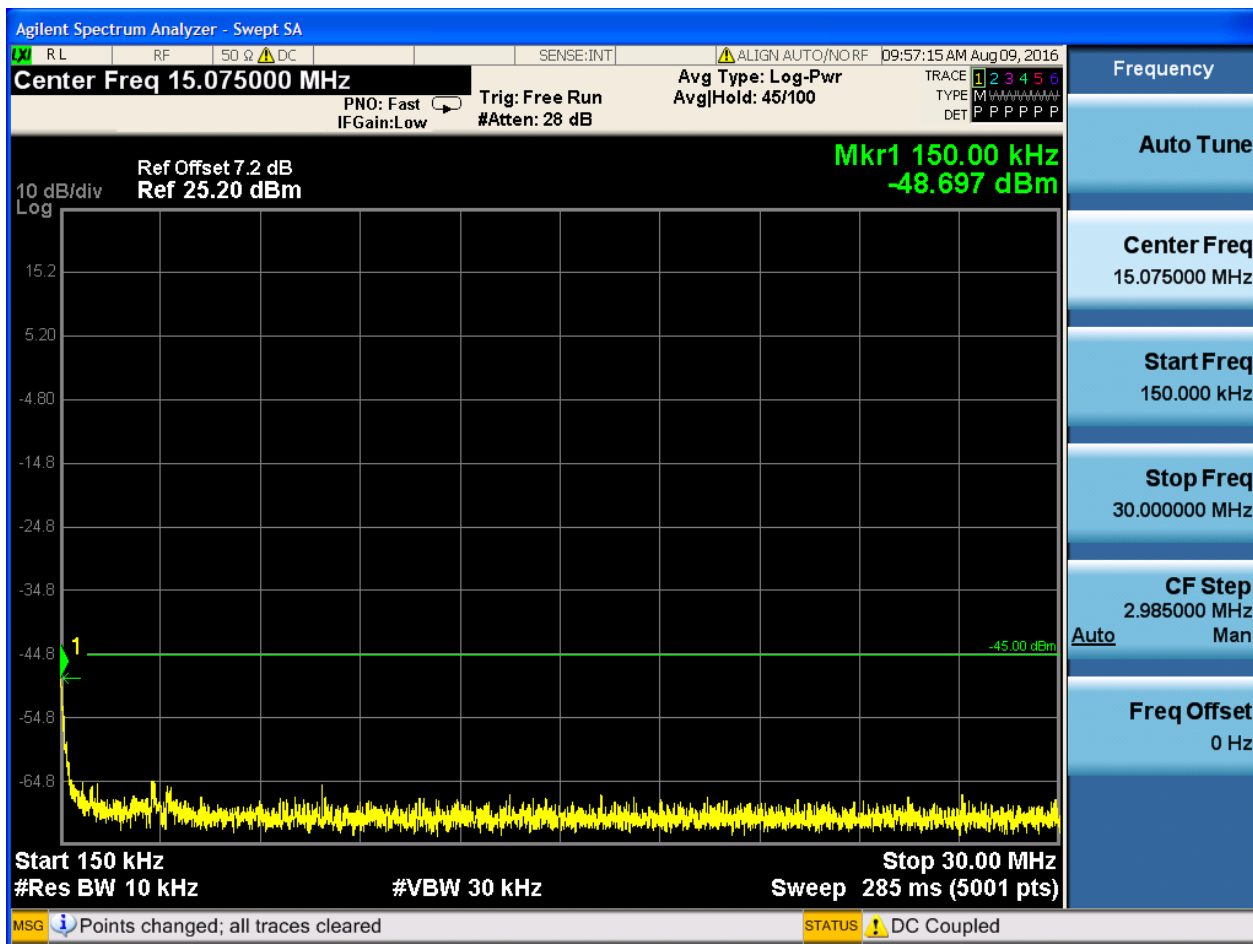


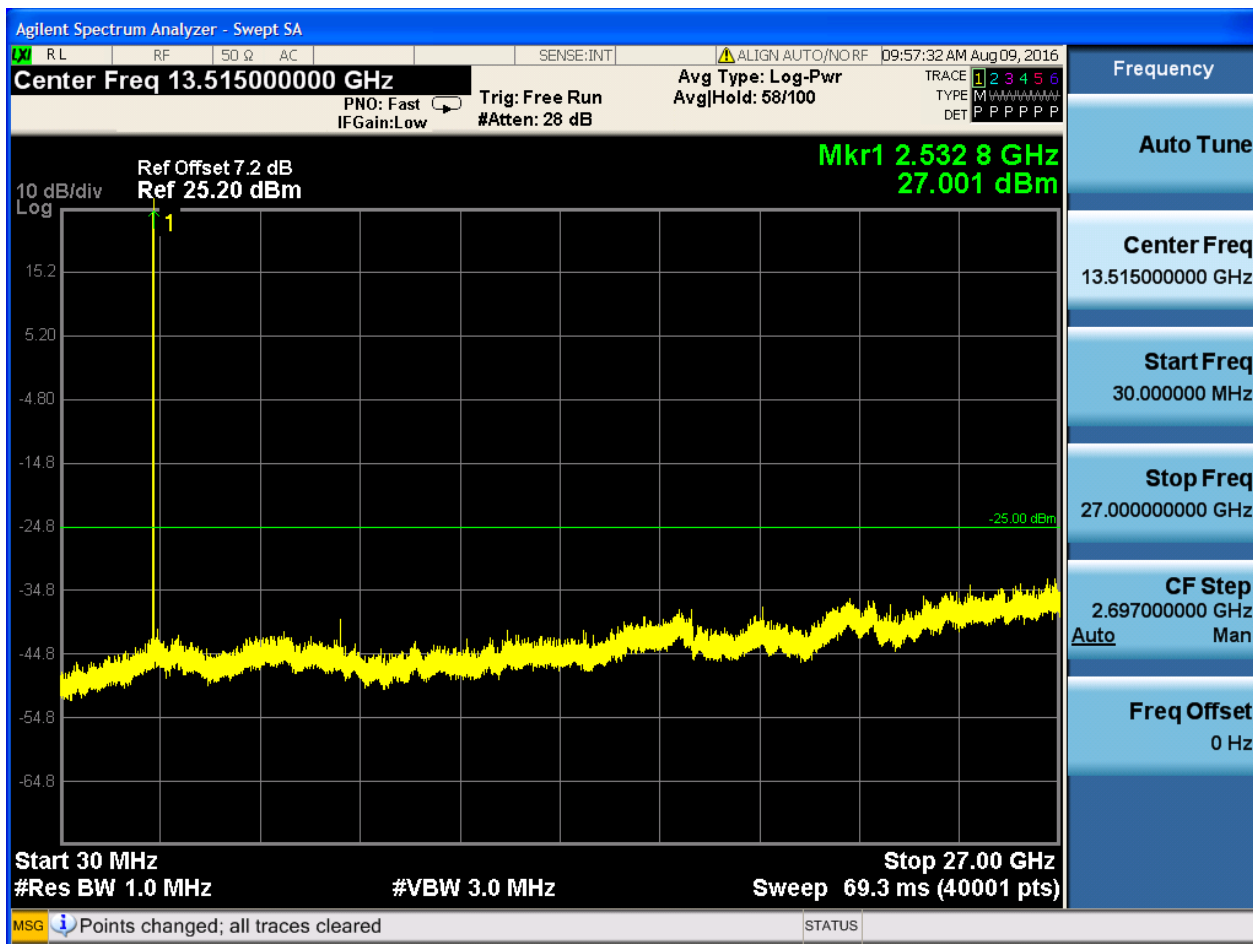


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





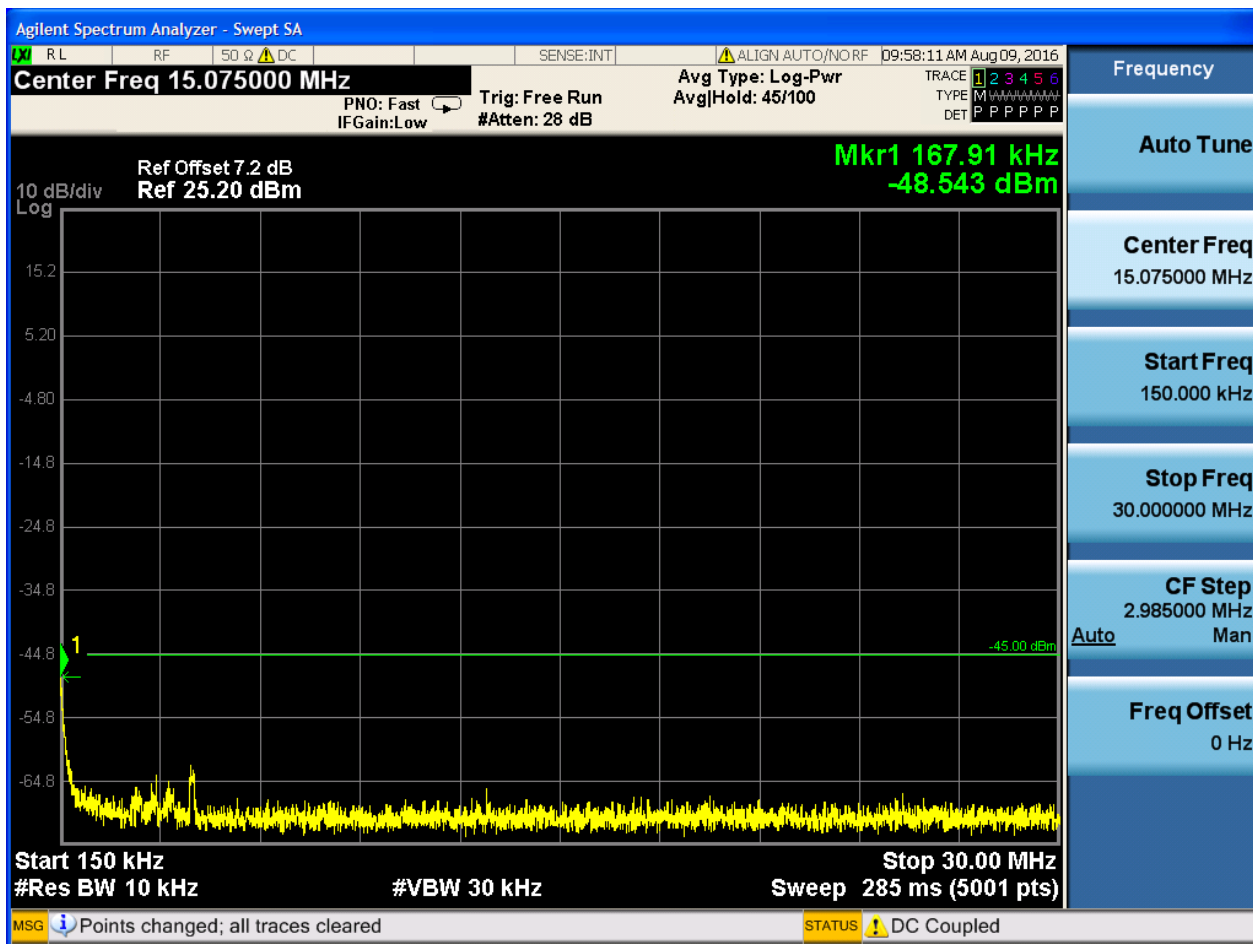


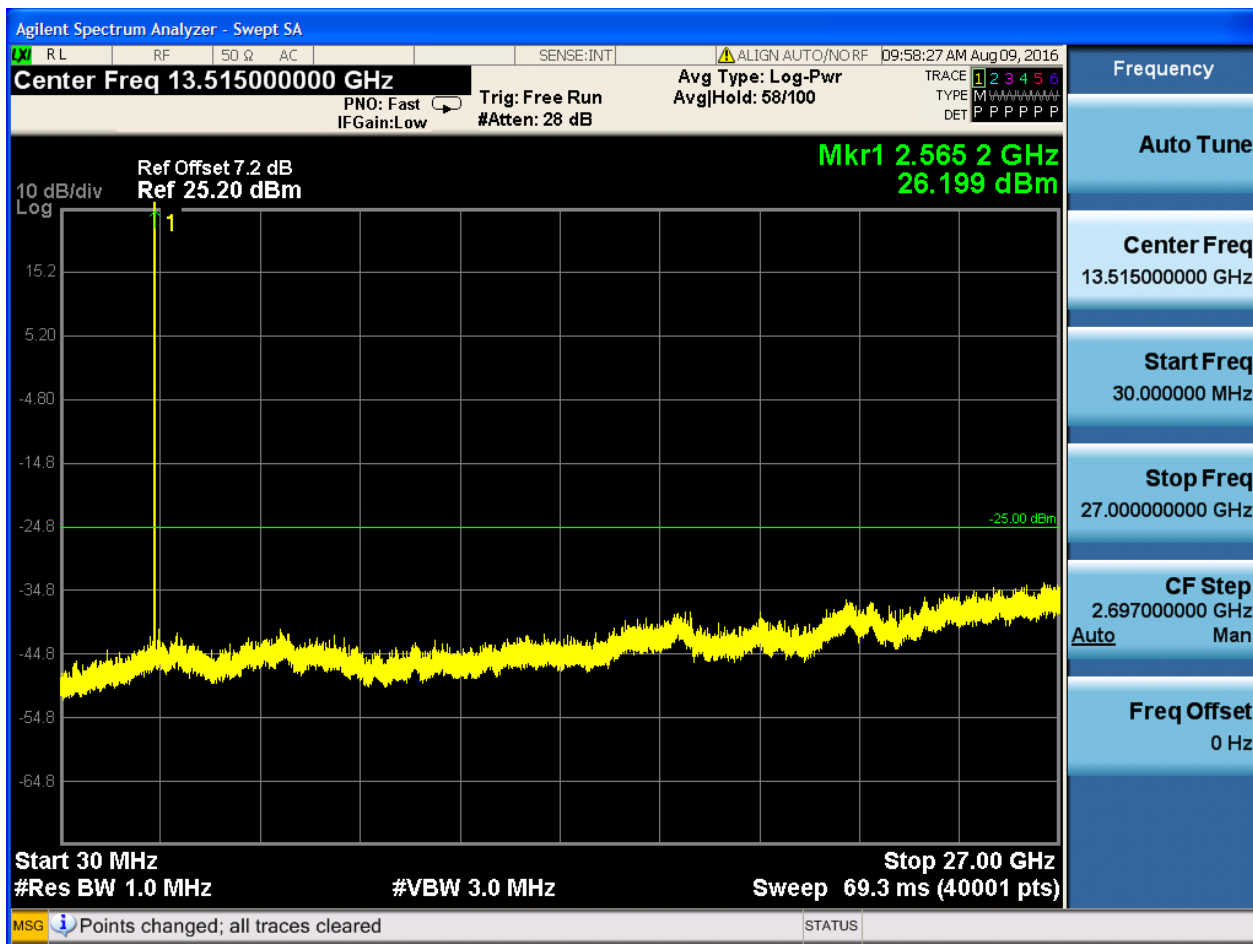


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





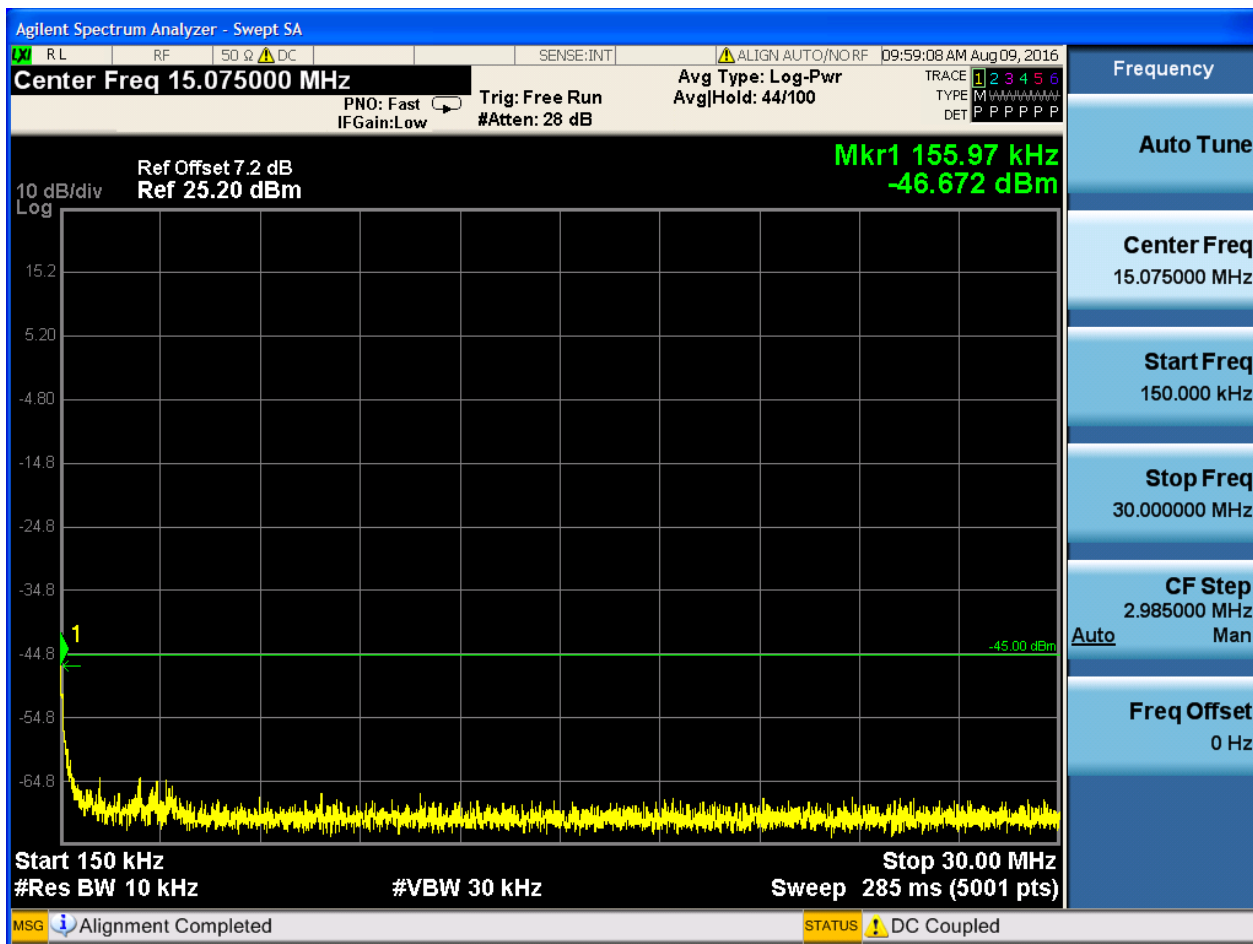


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



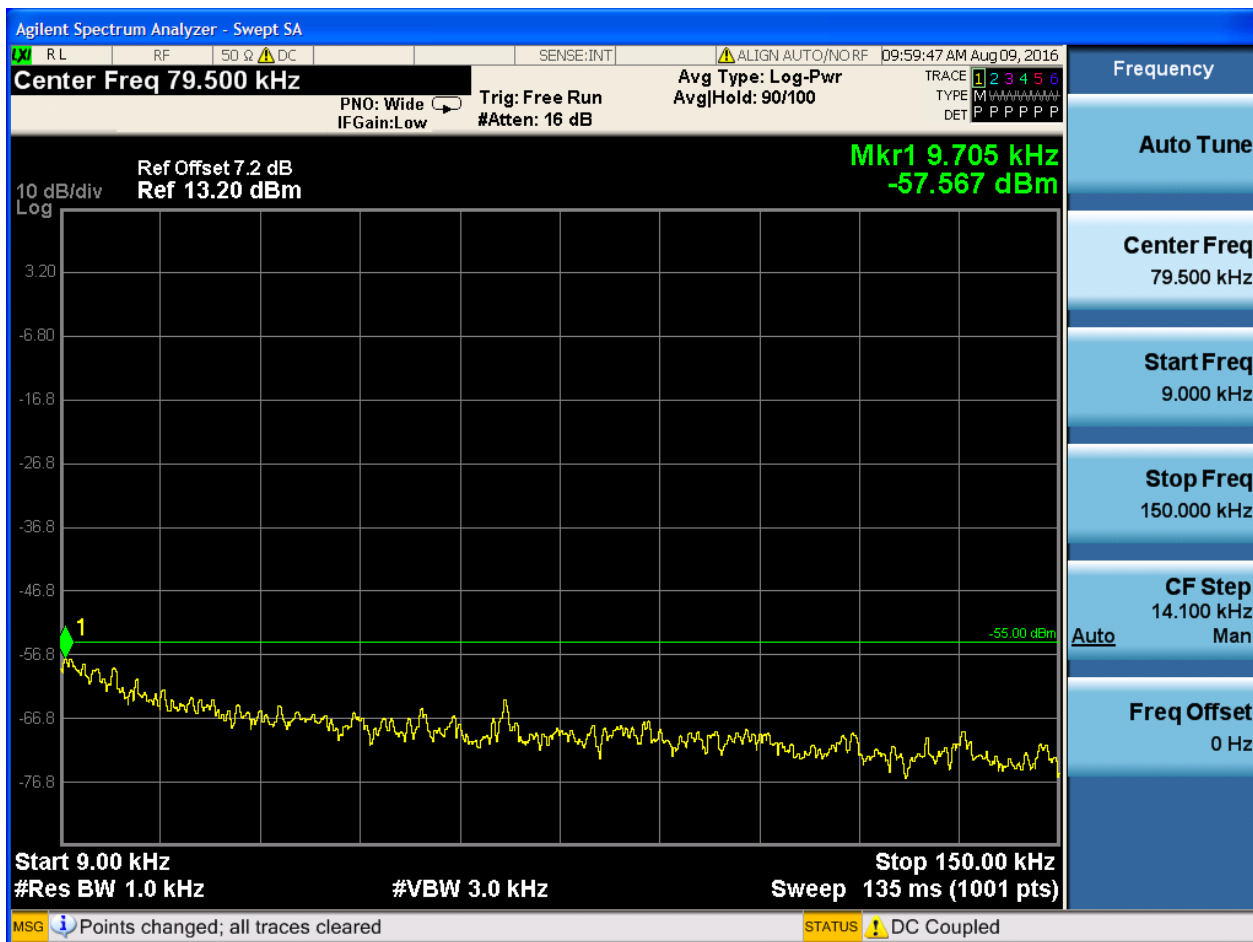


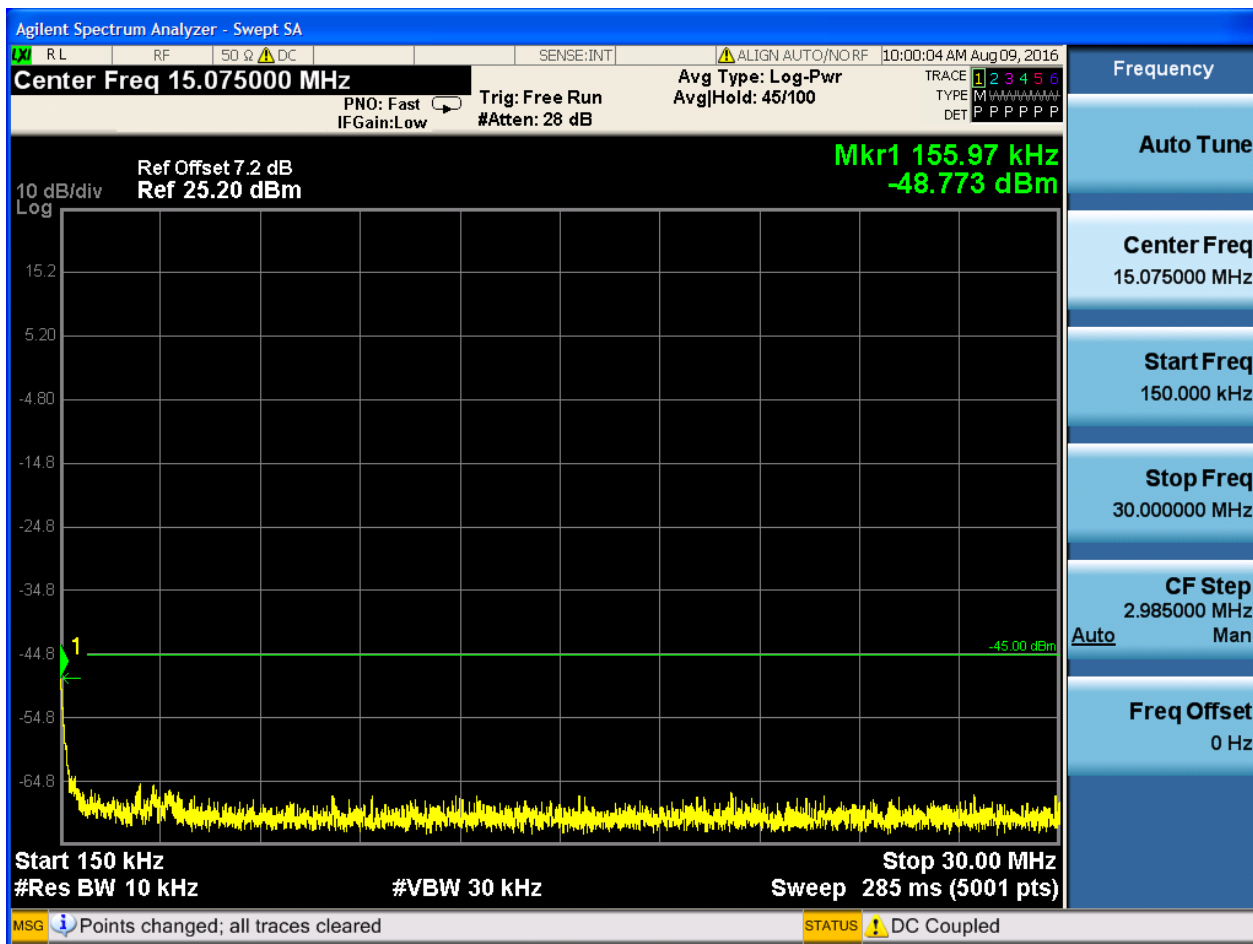




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



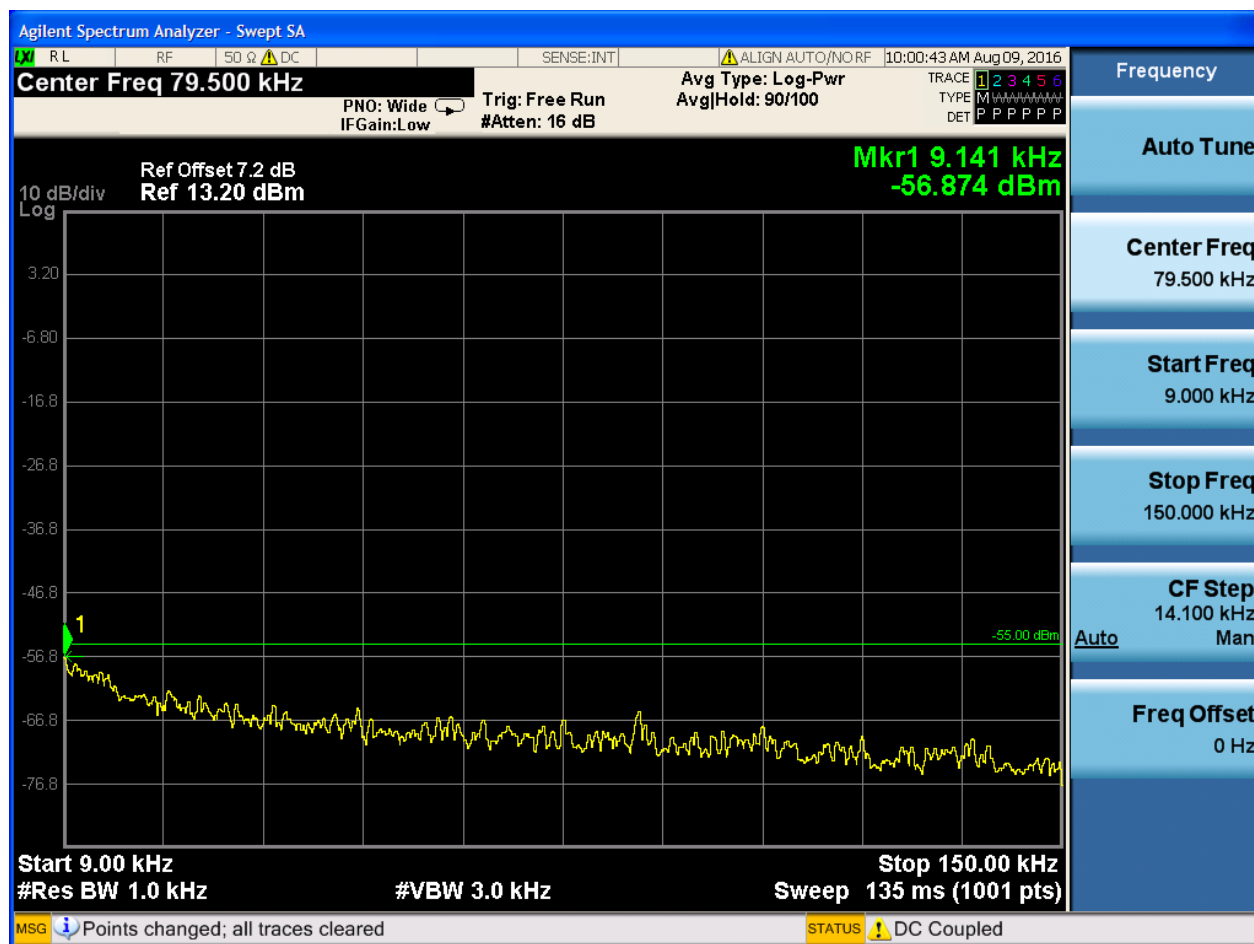


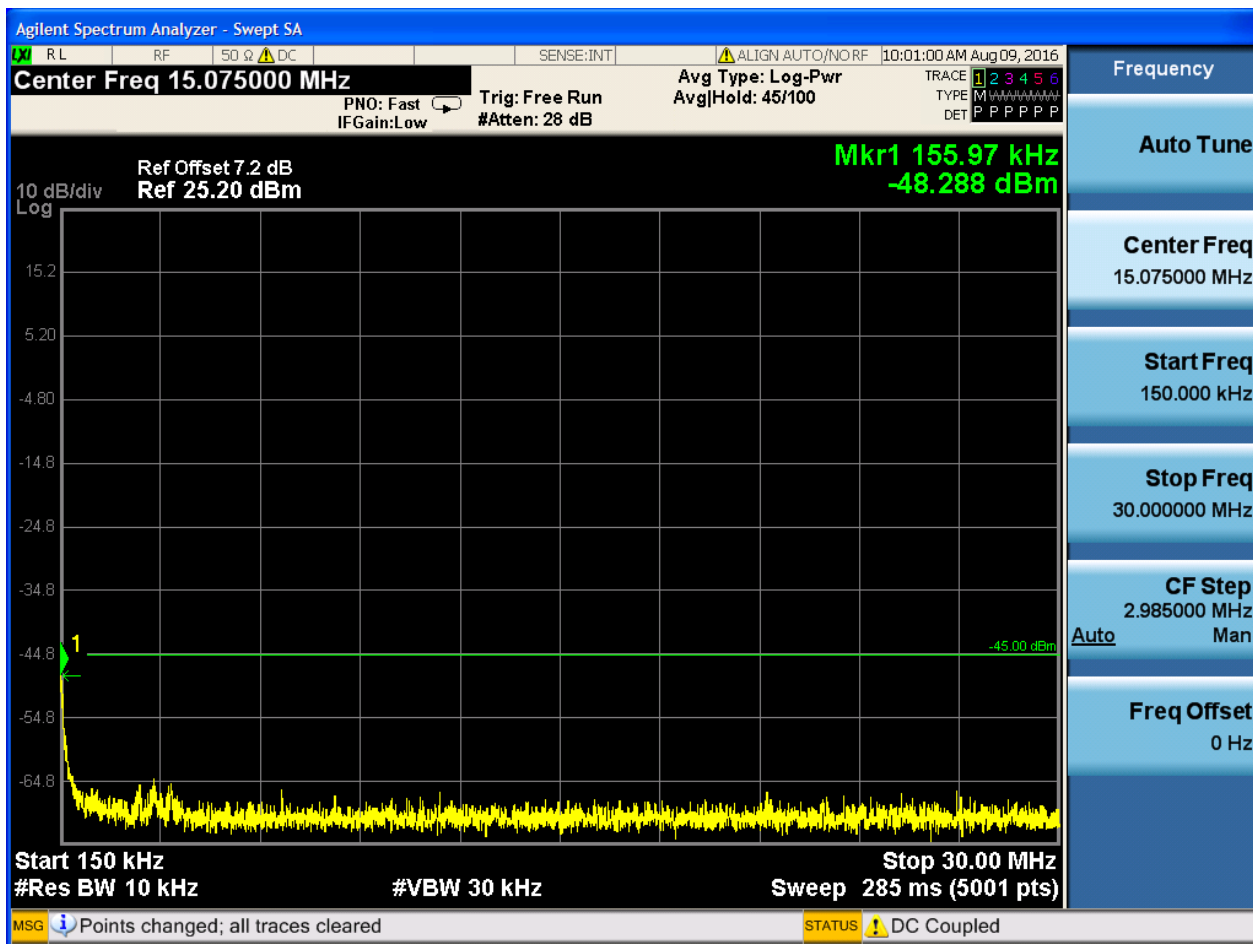


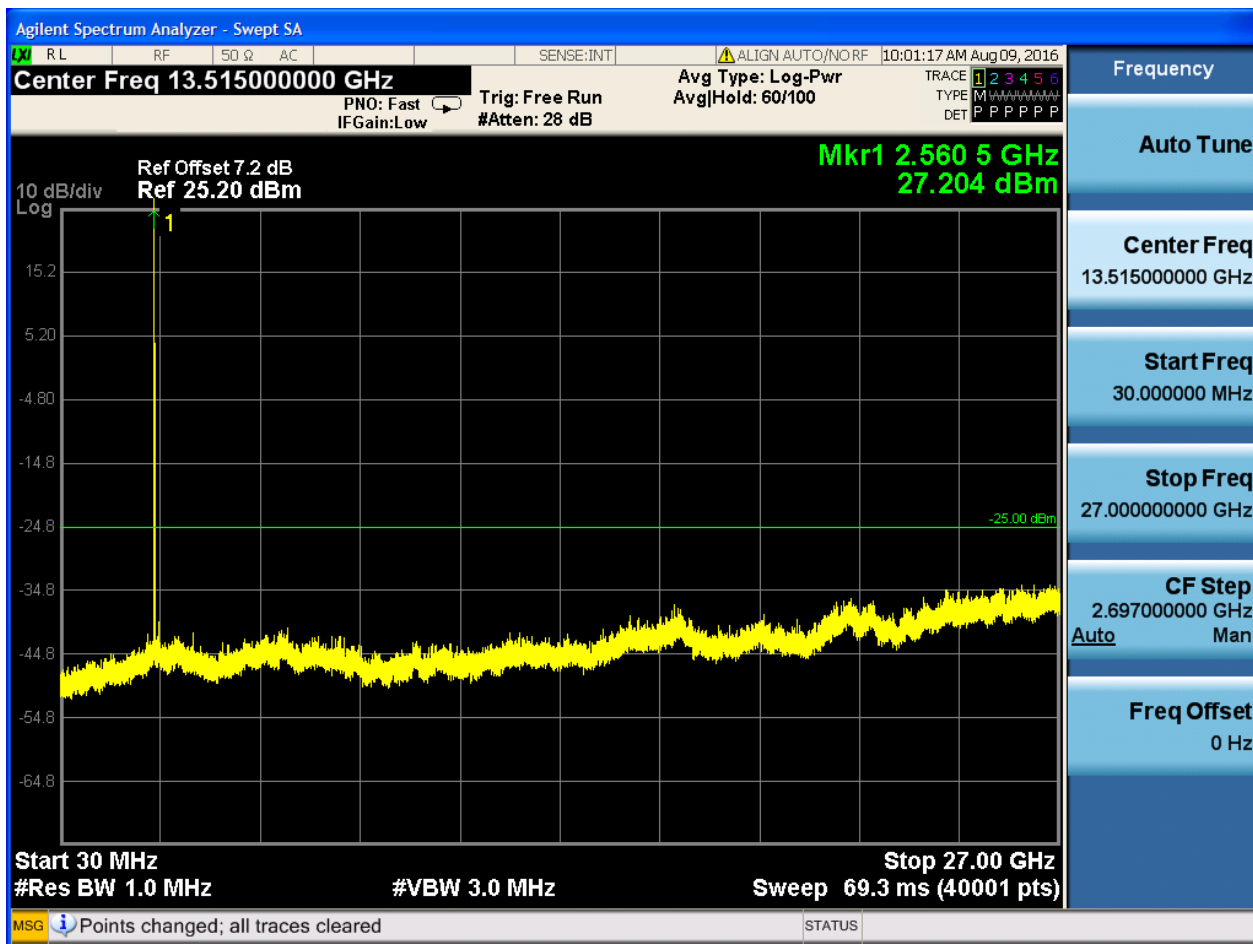


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





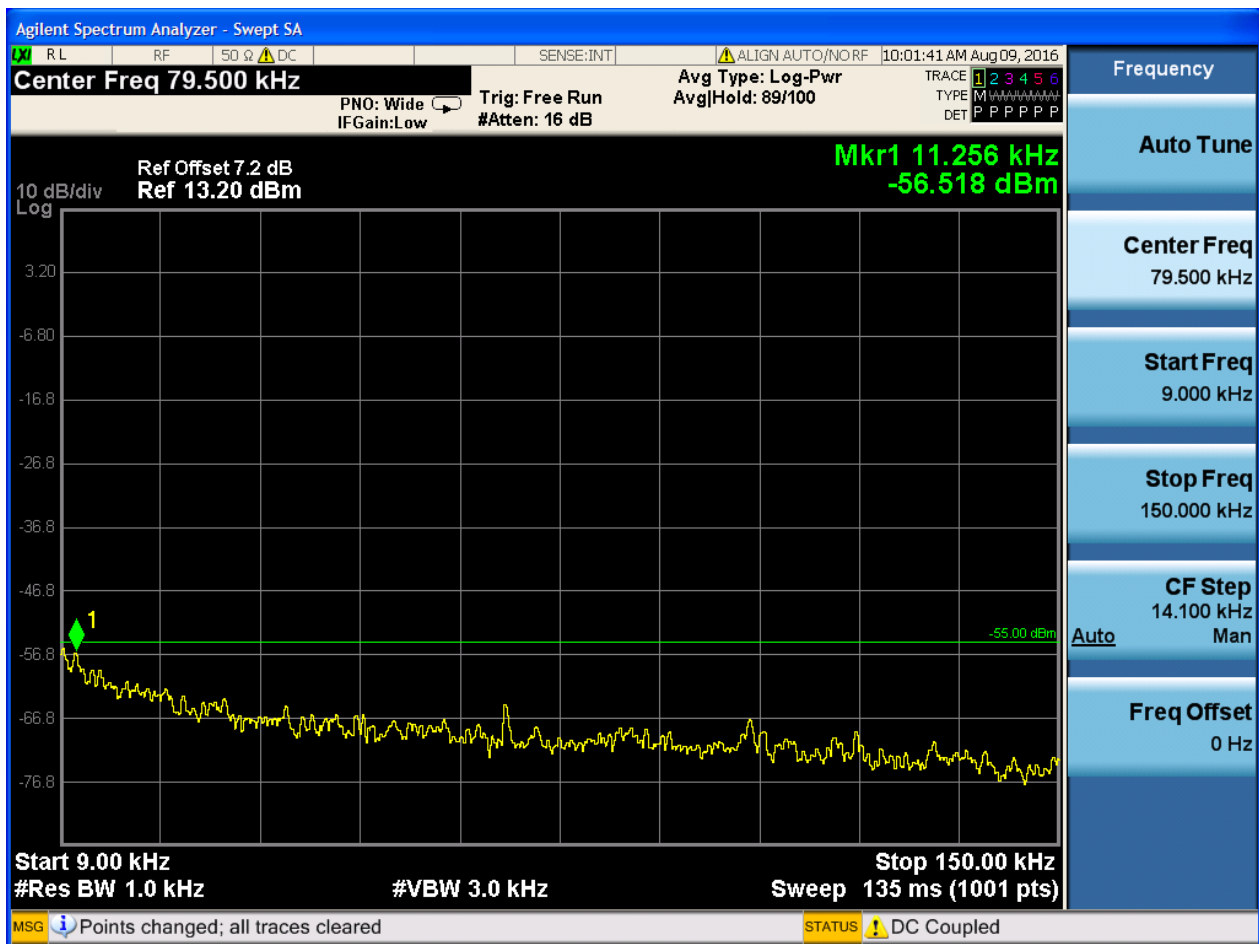


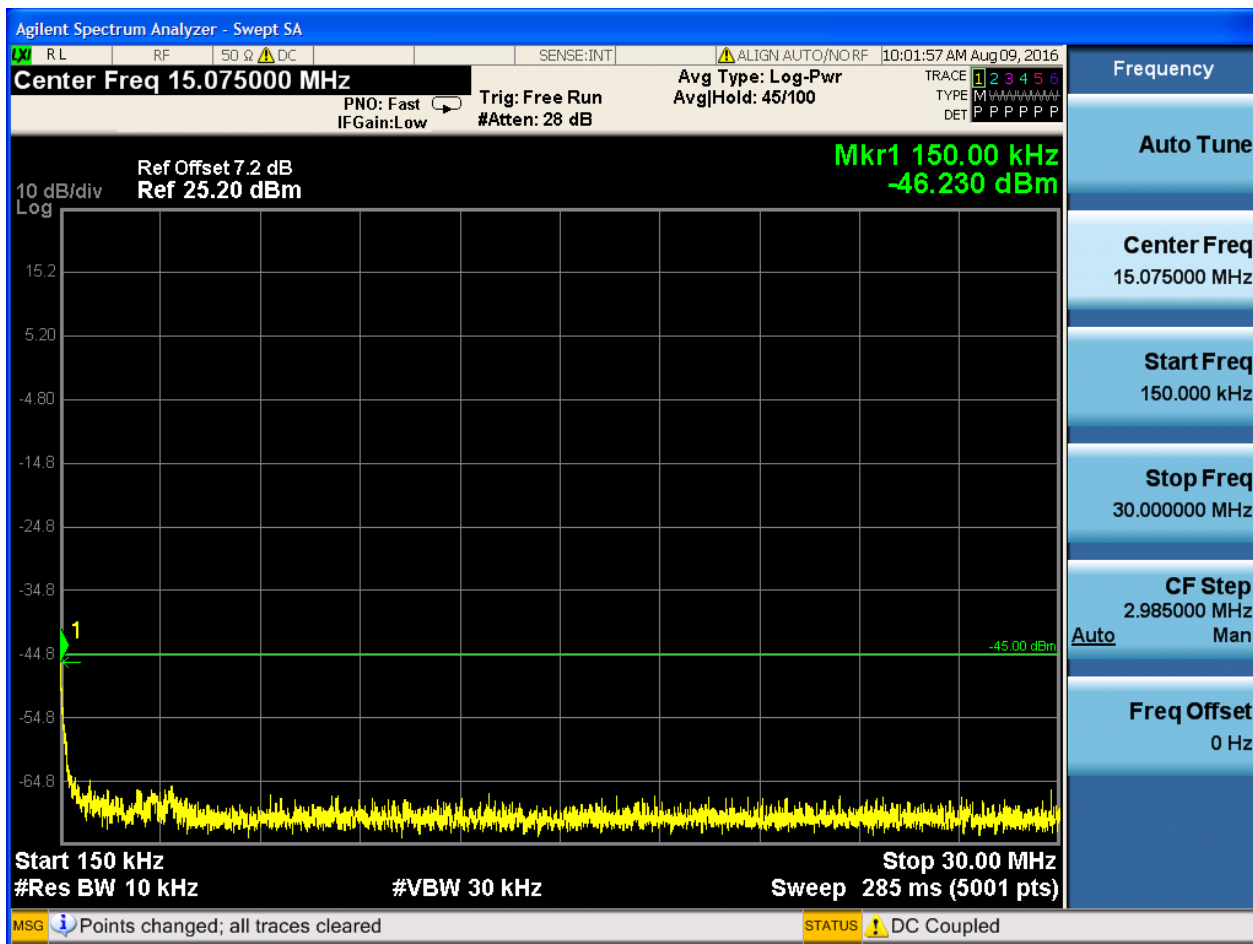


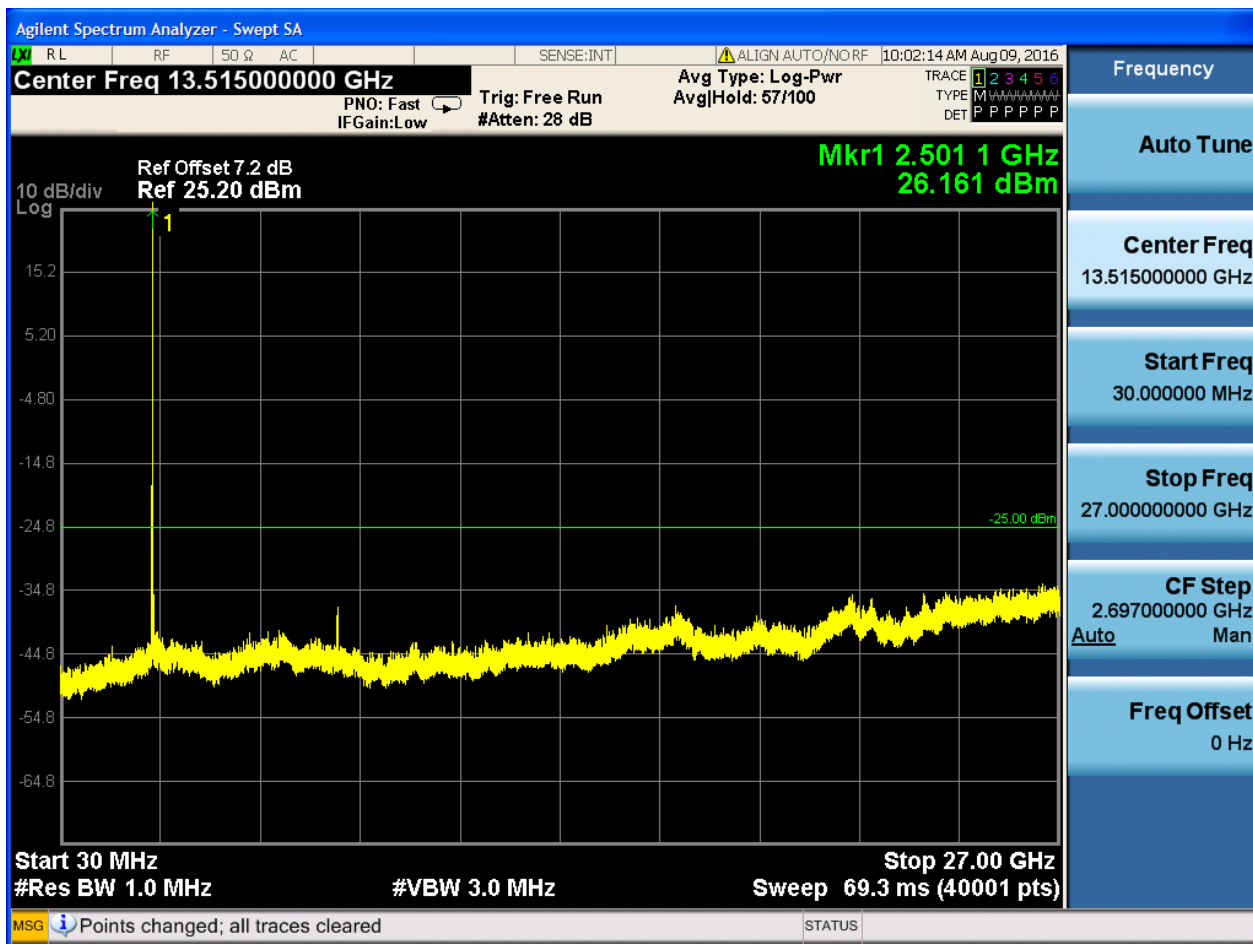
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





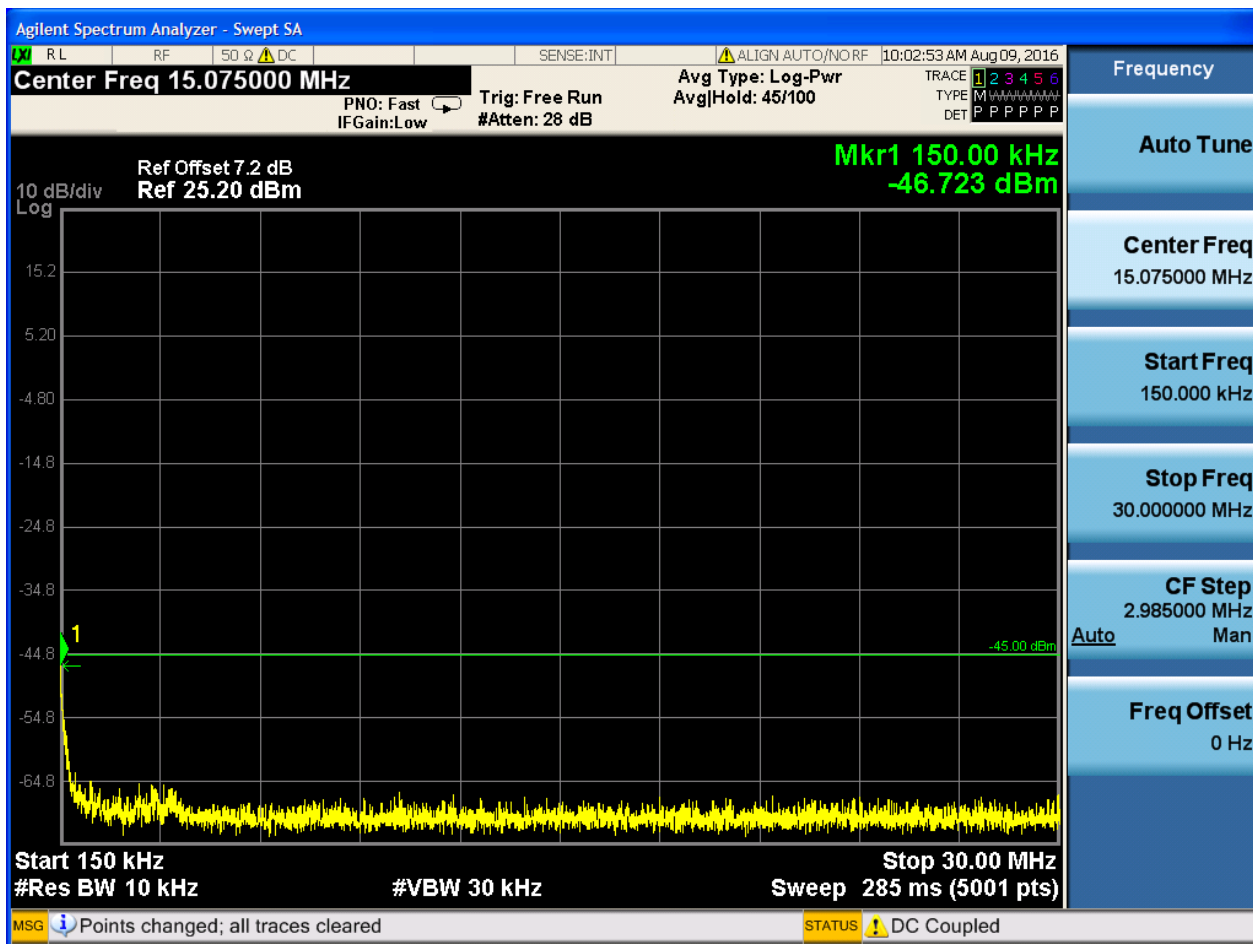


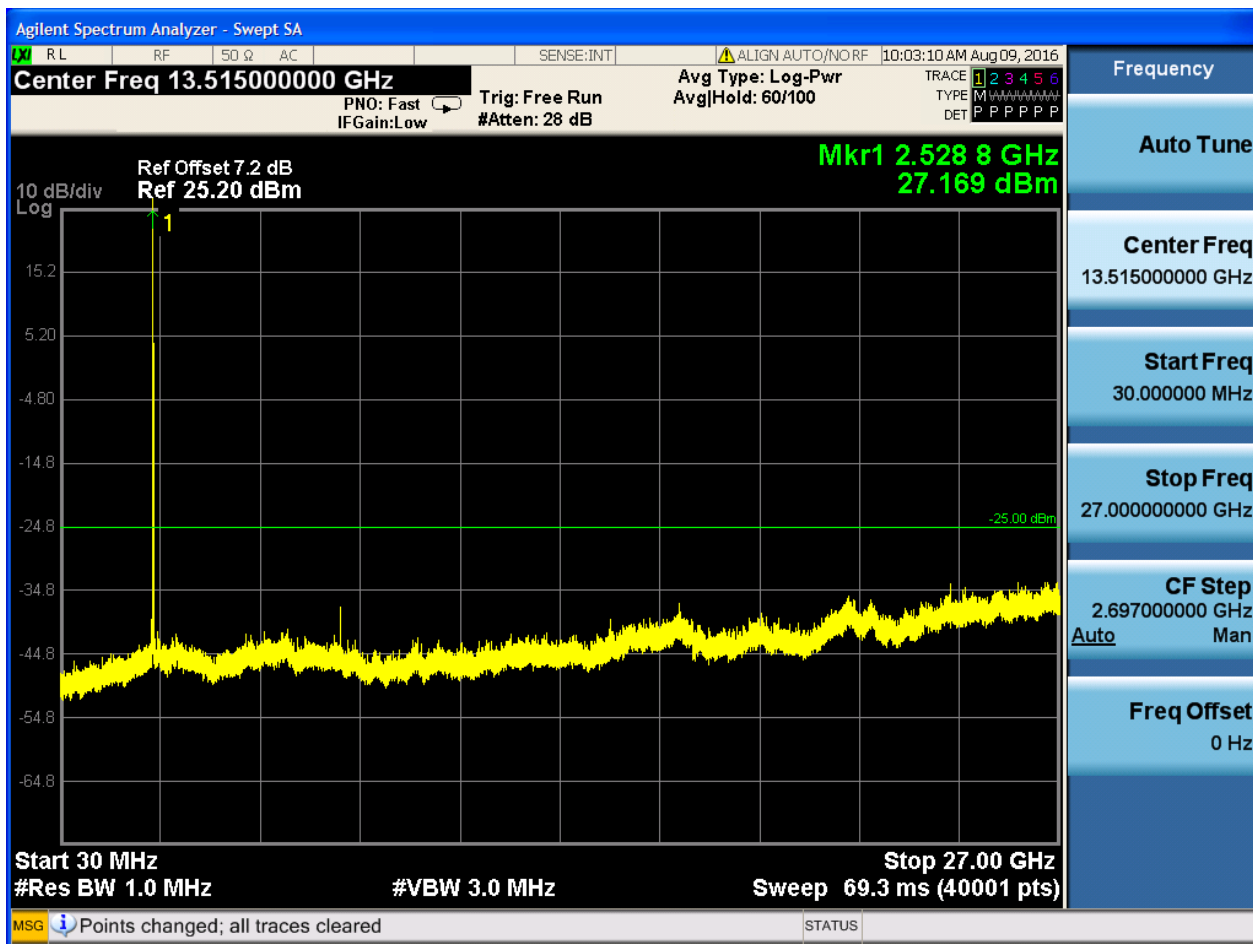


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



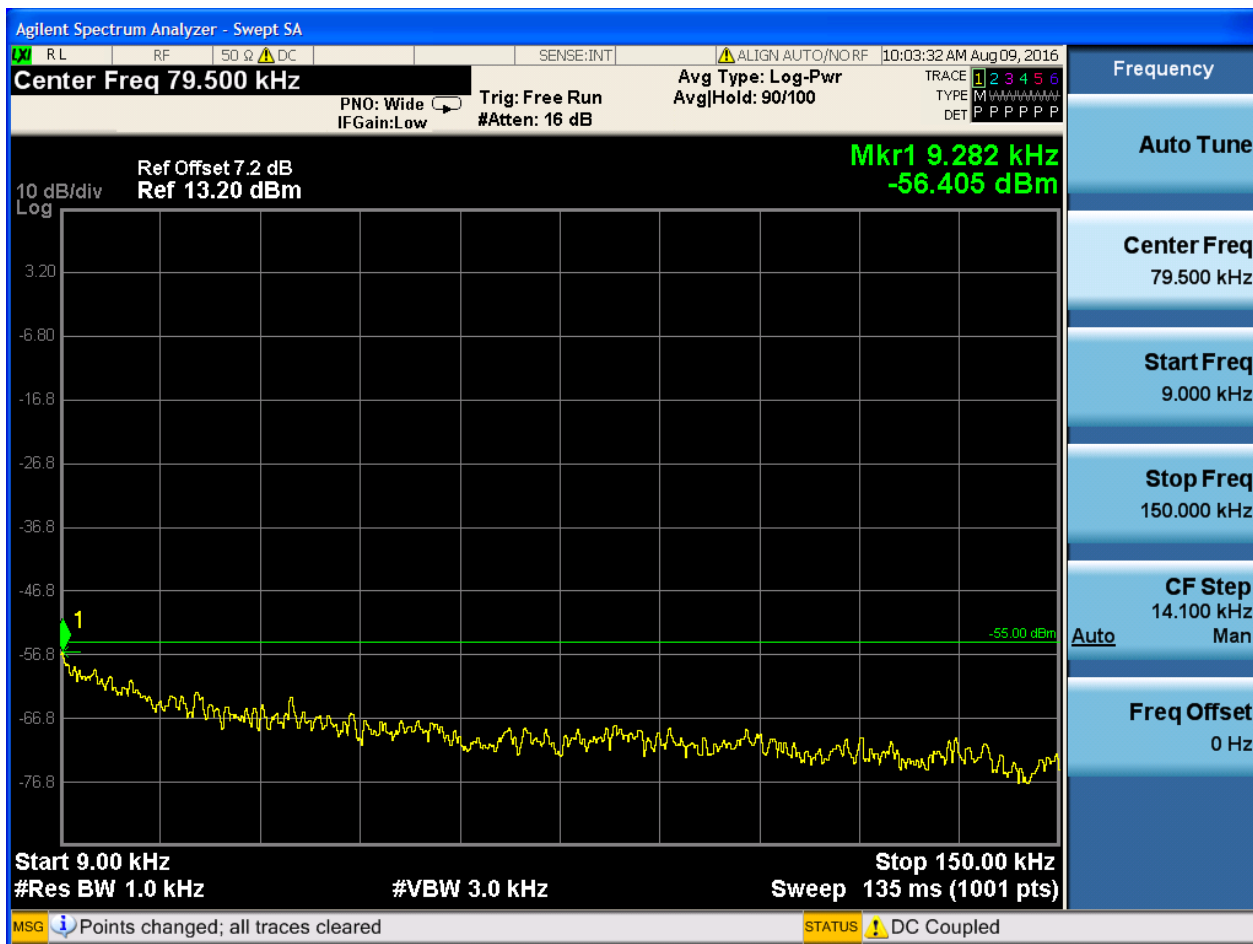


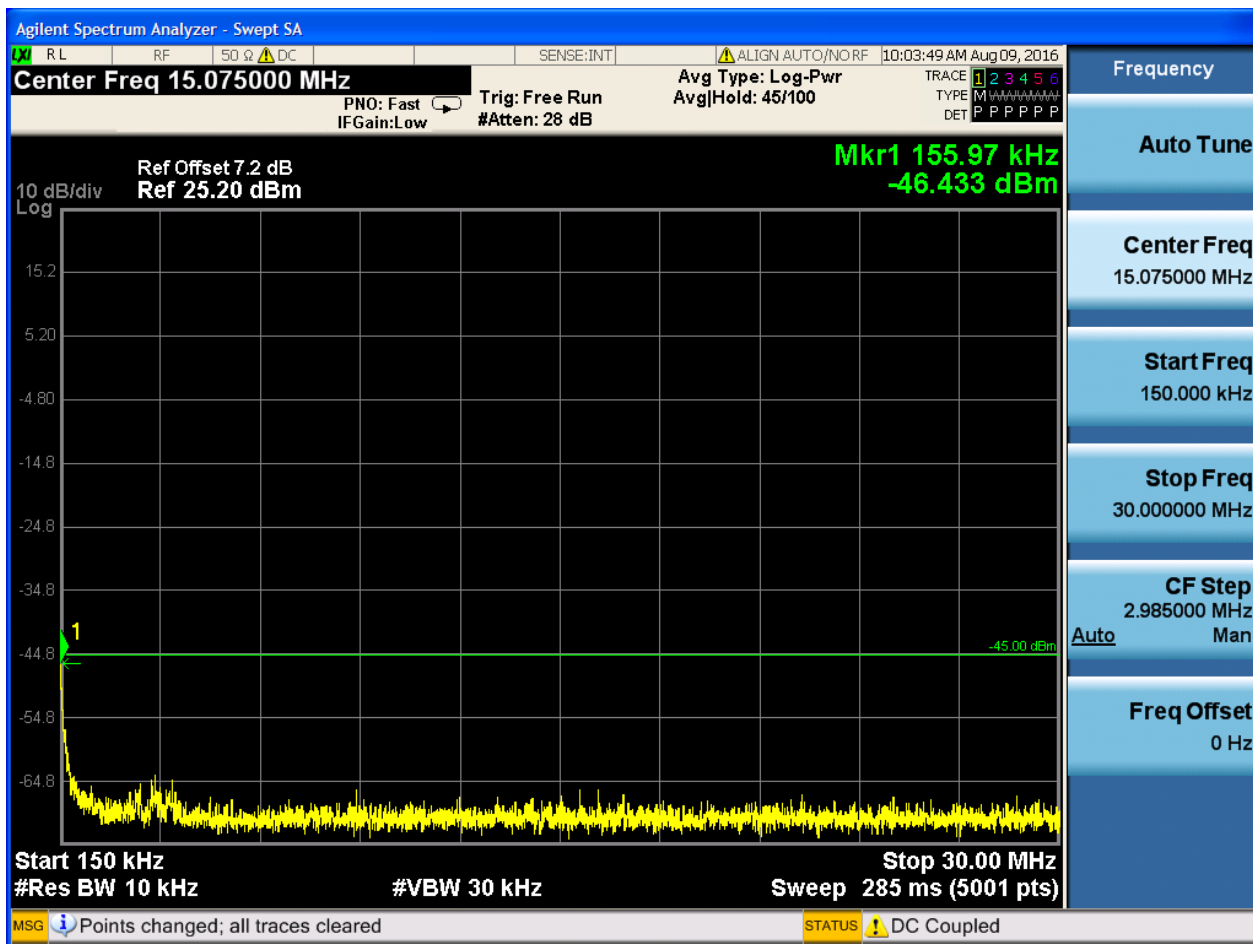


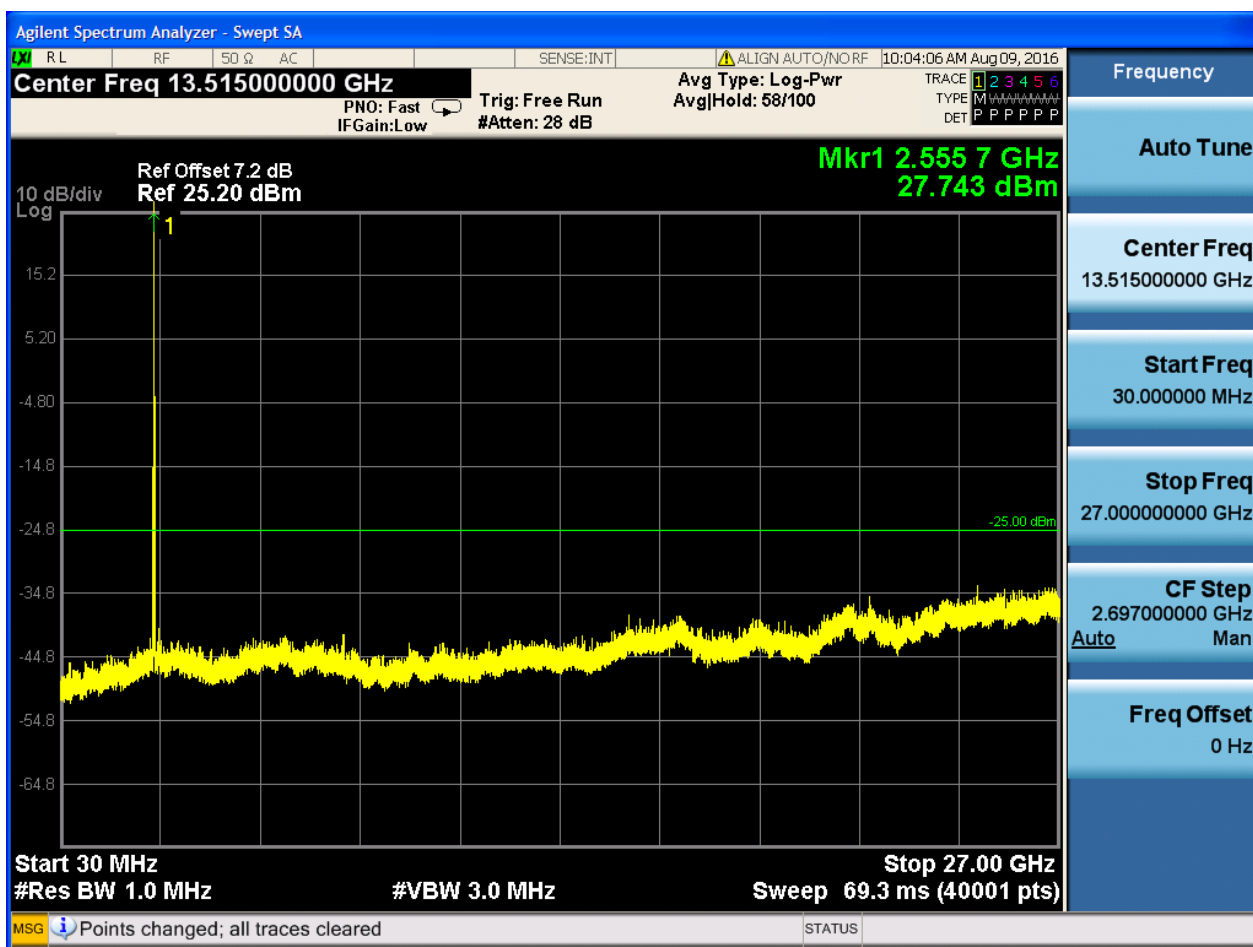


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



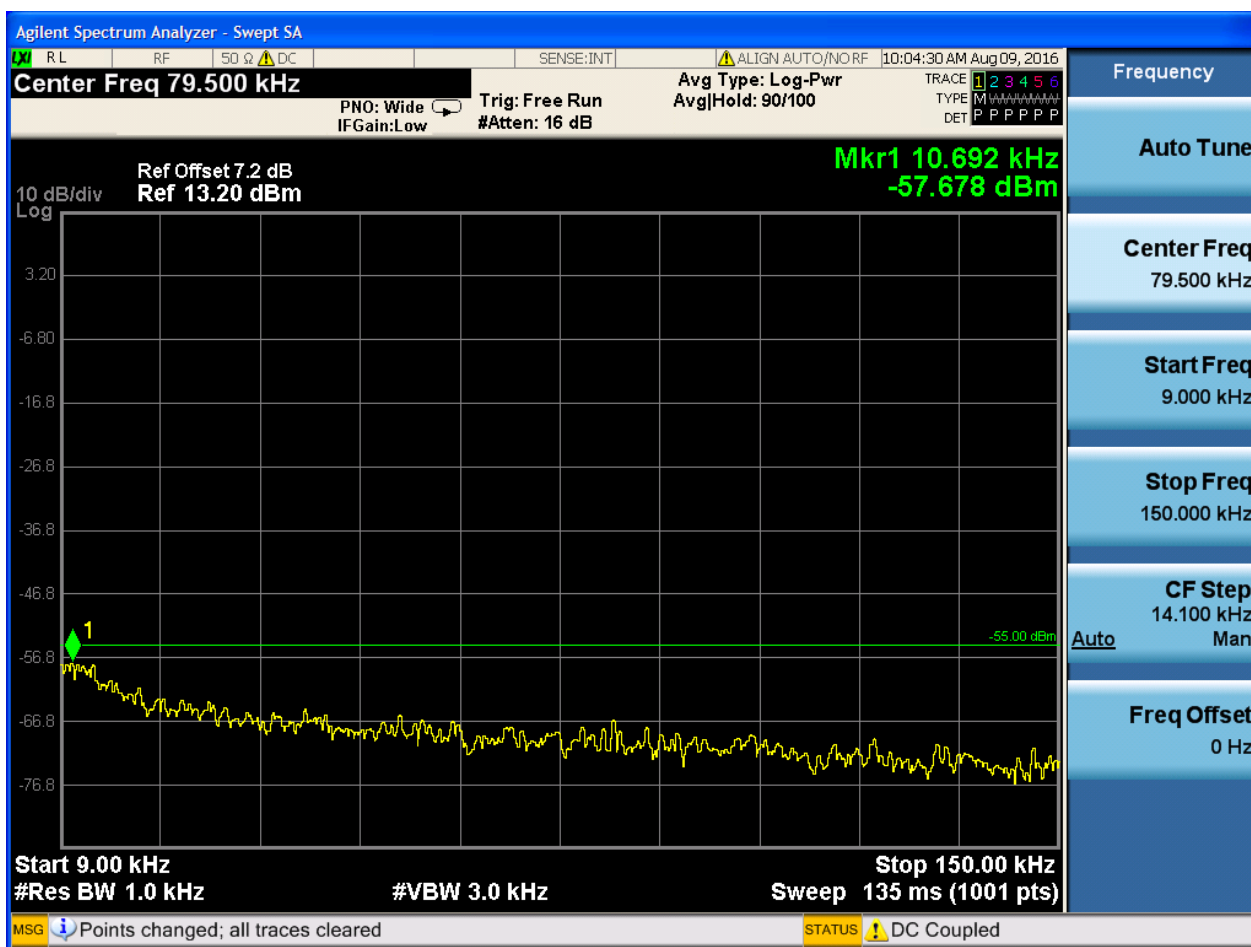


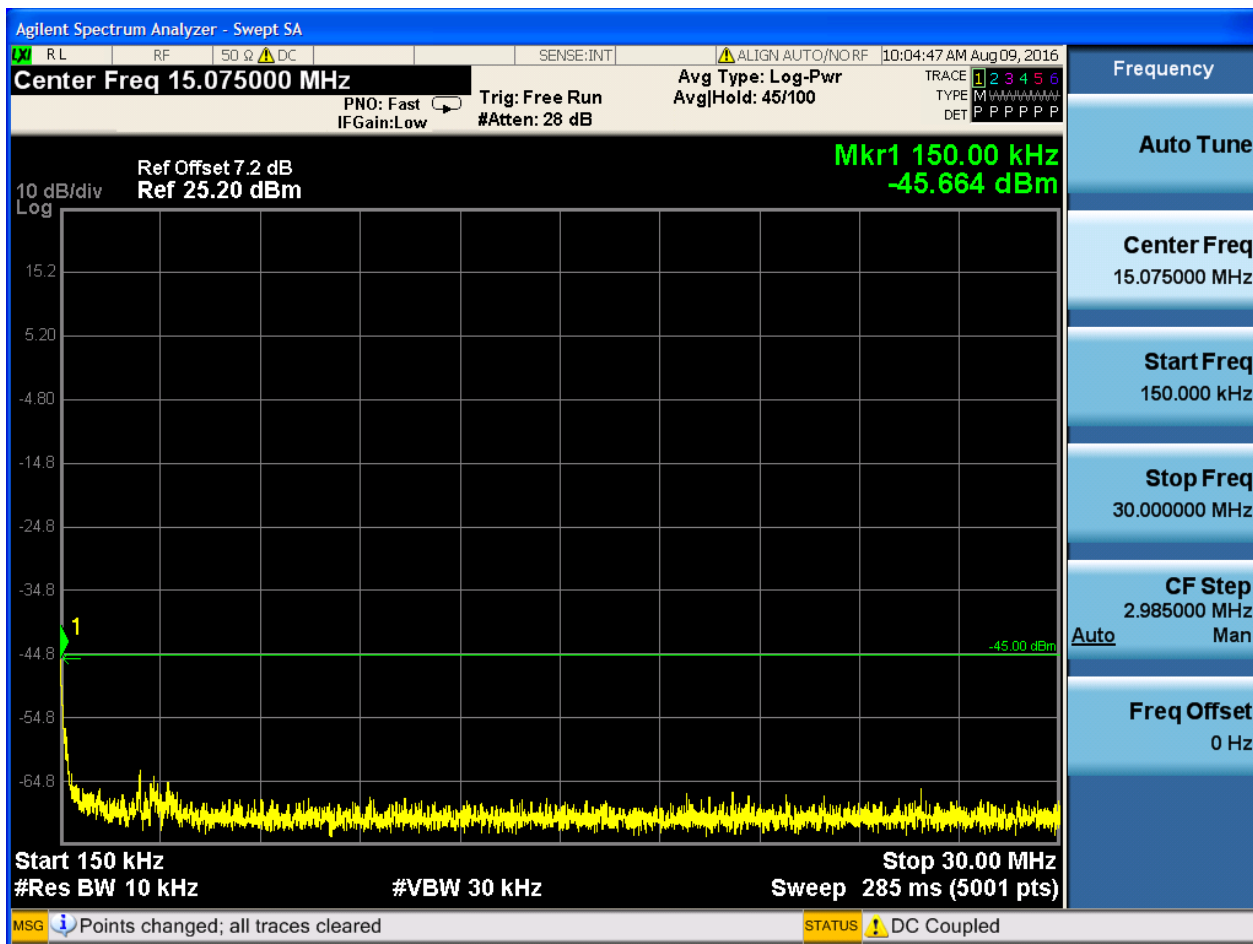


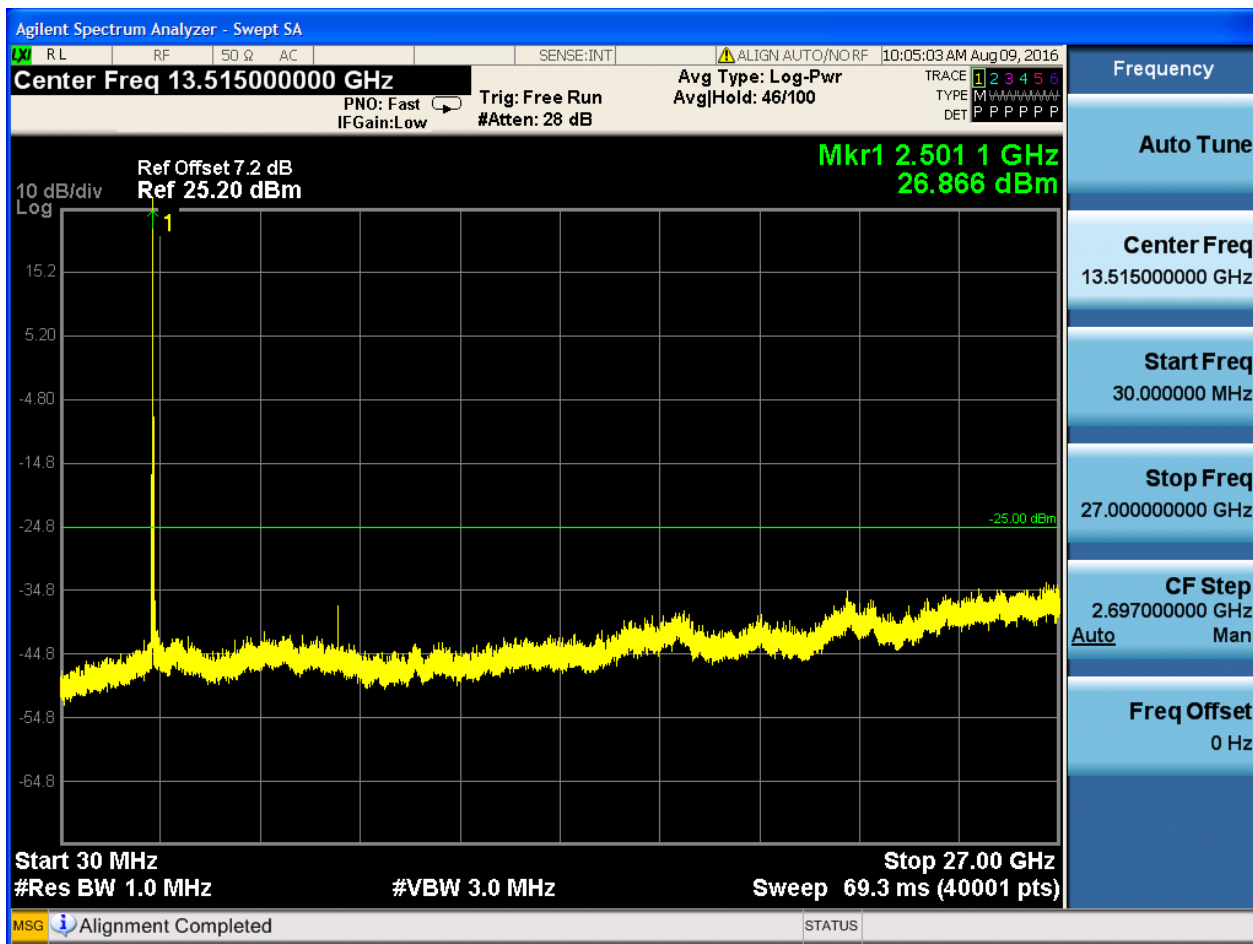
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



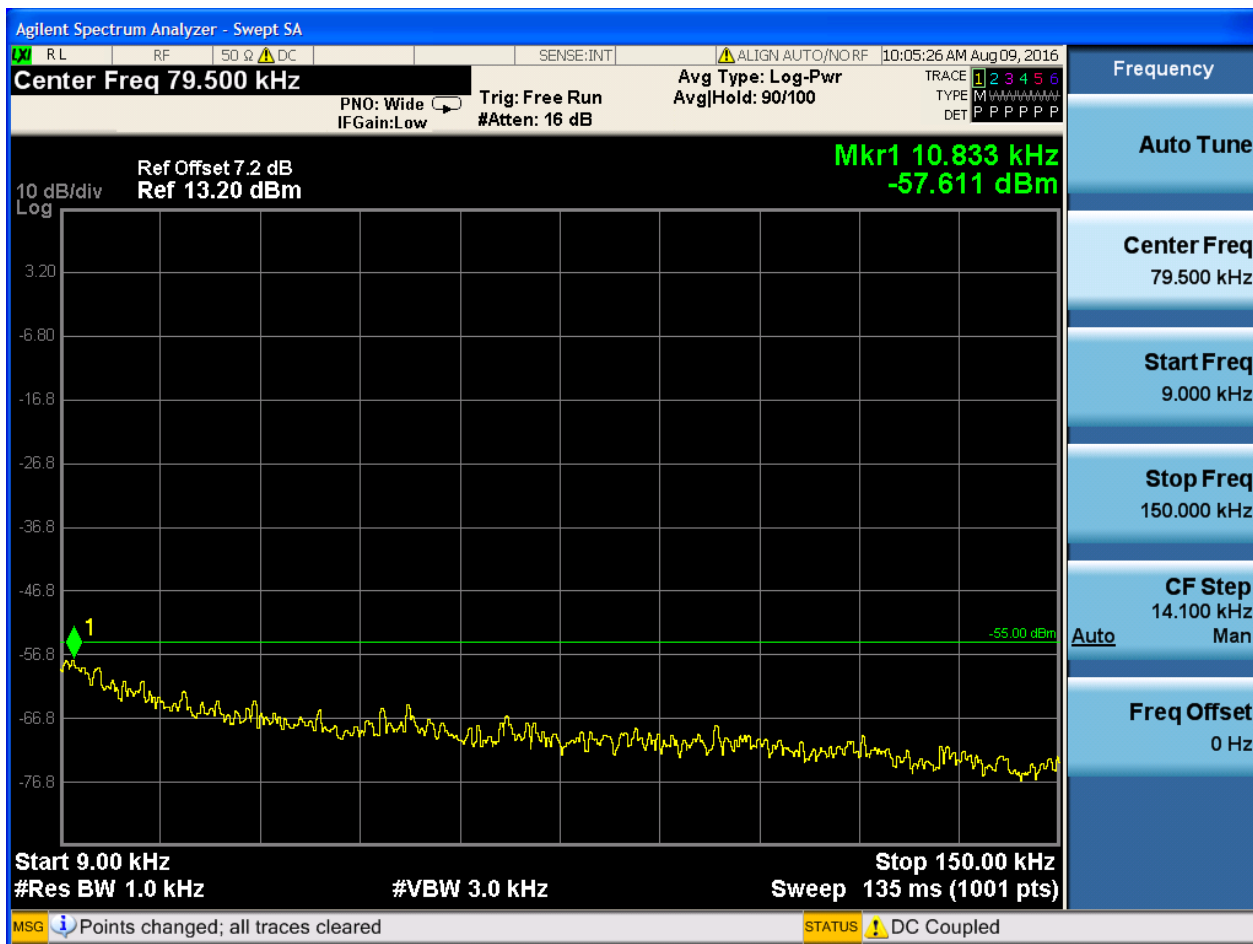


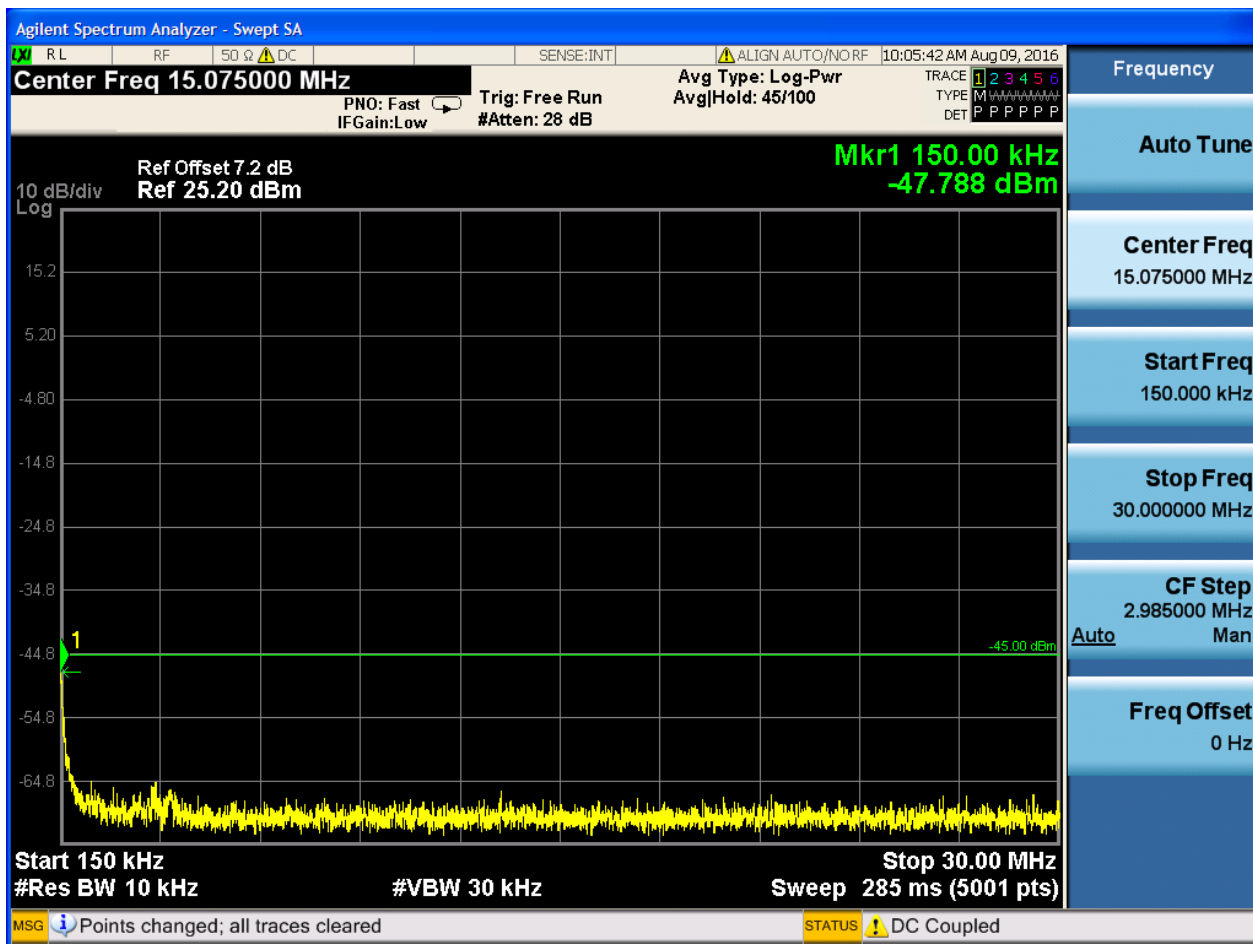


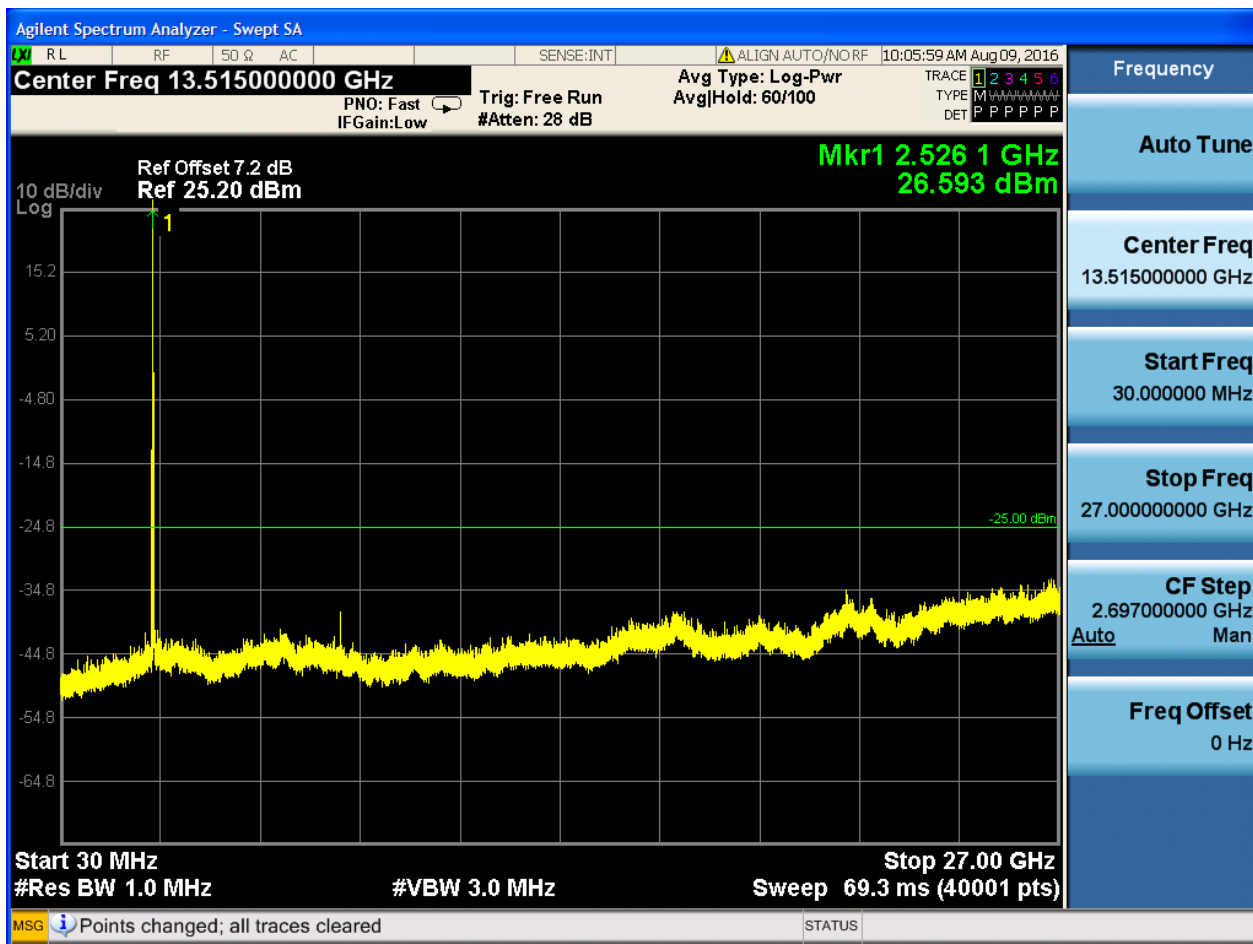


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



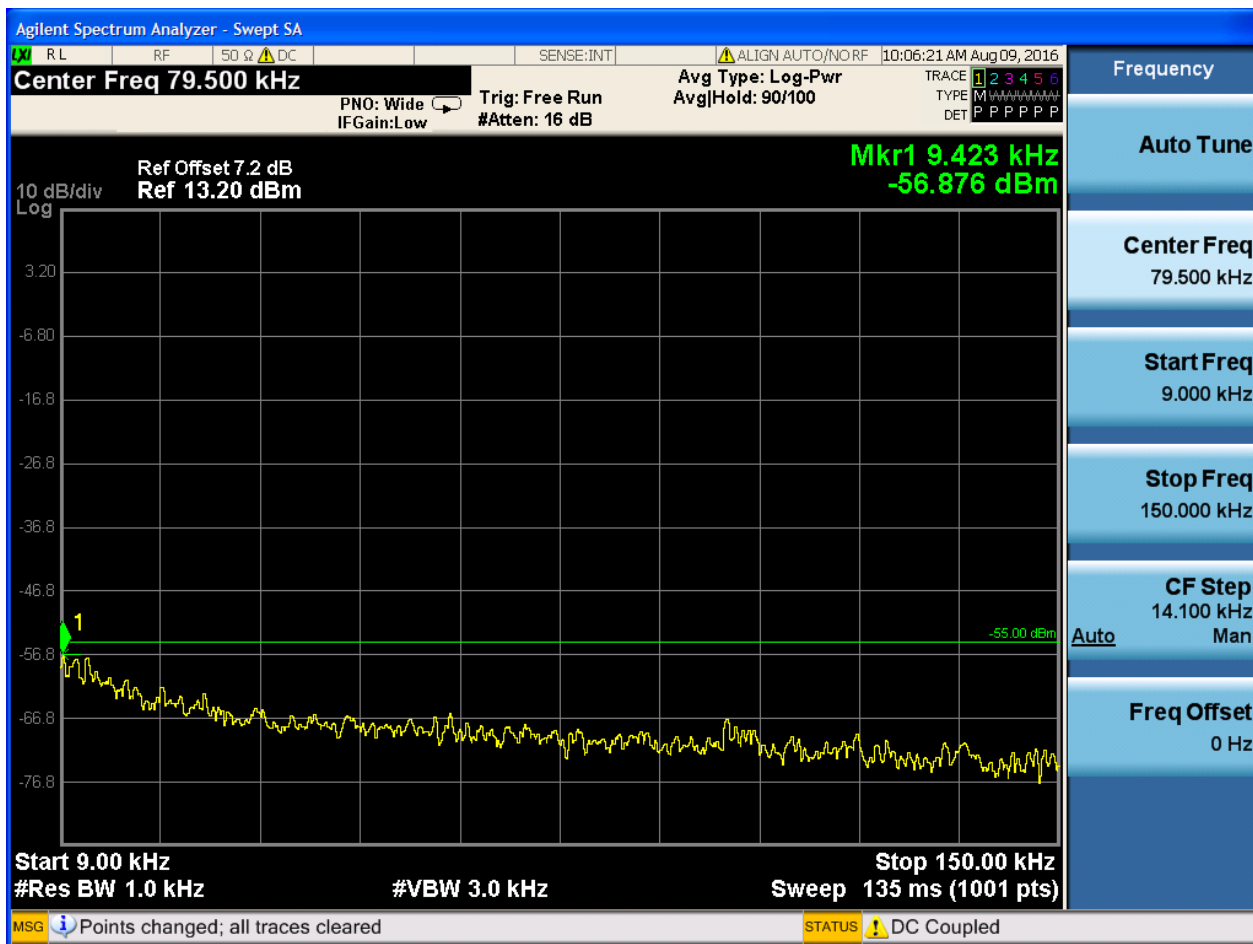


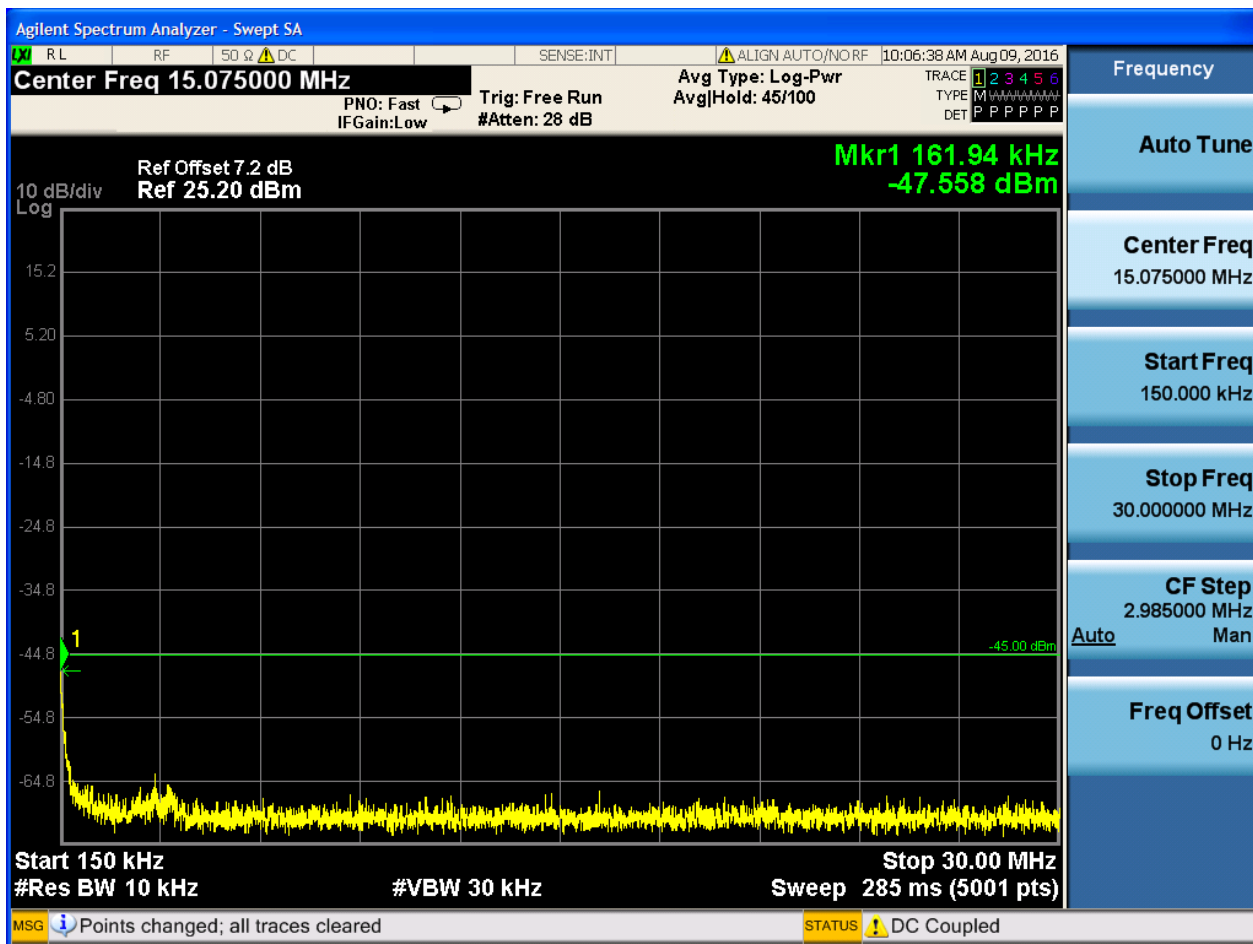


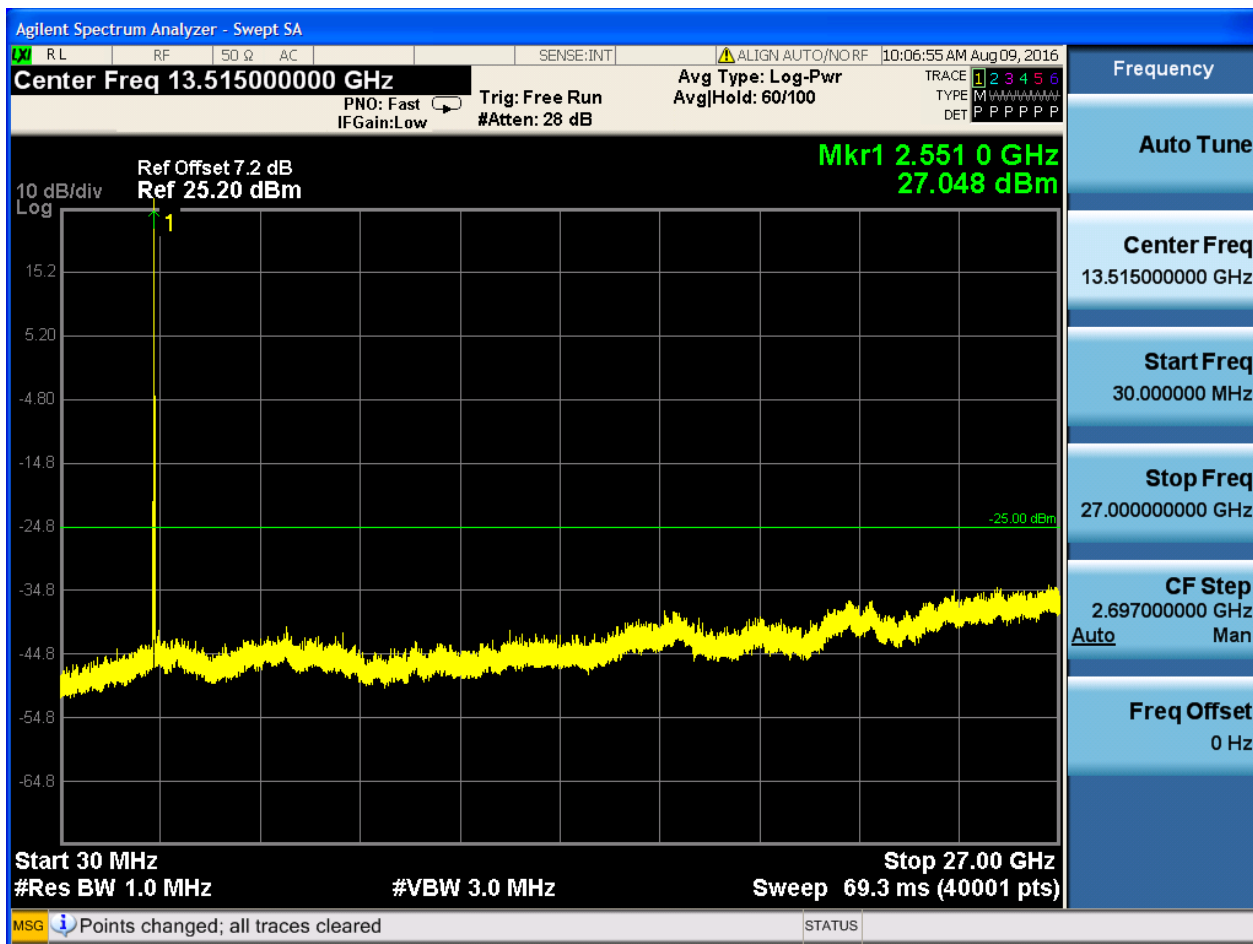


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

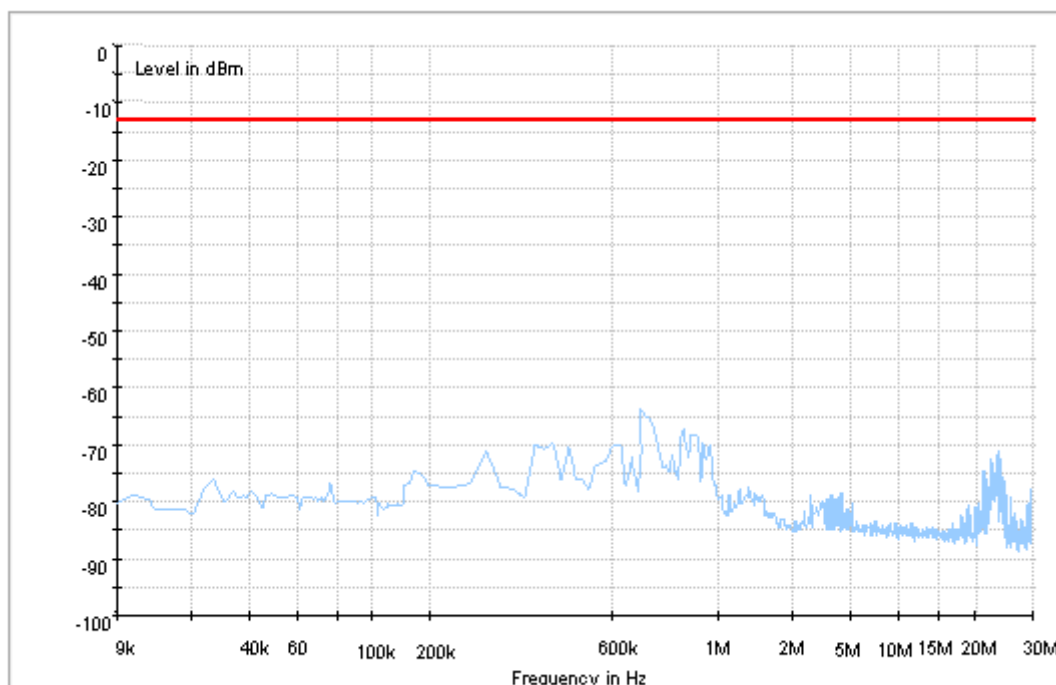
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

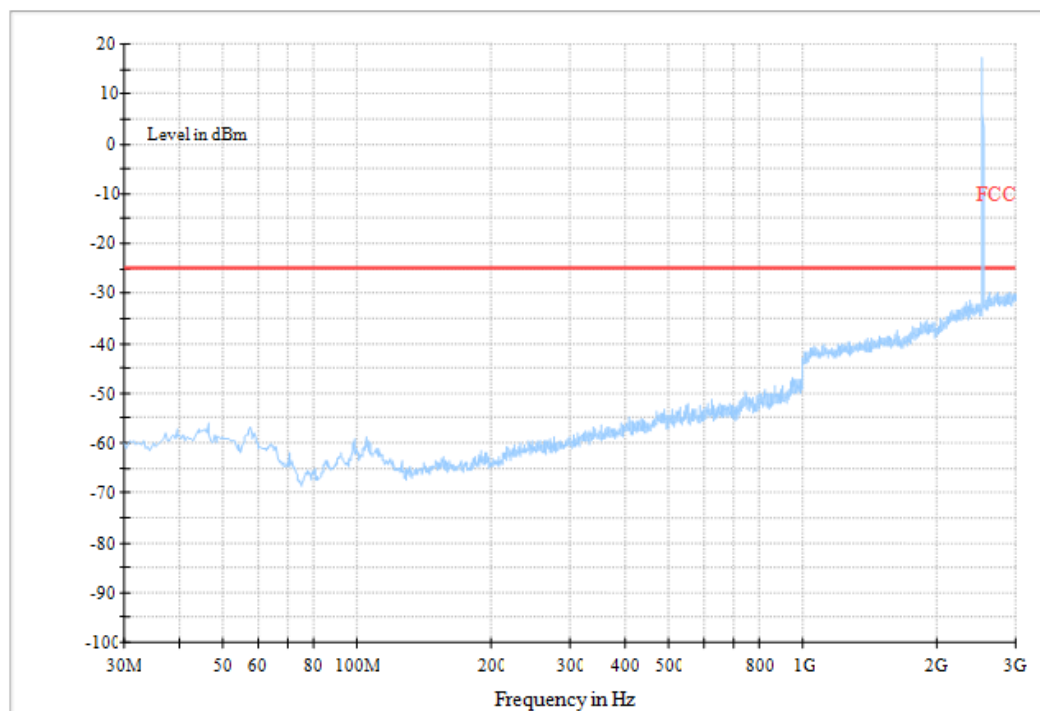
7.1 For LTE

7.1.1 Test Band = BAND7_Ant1

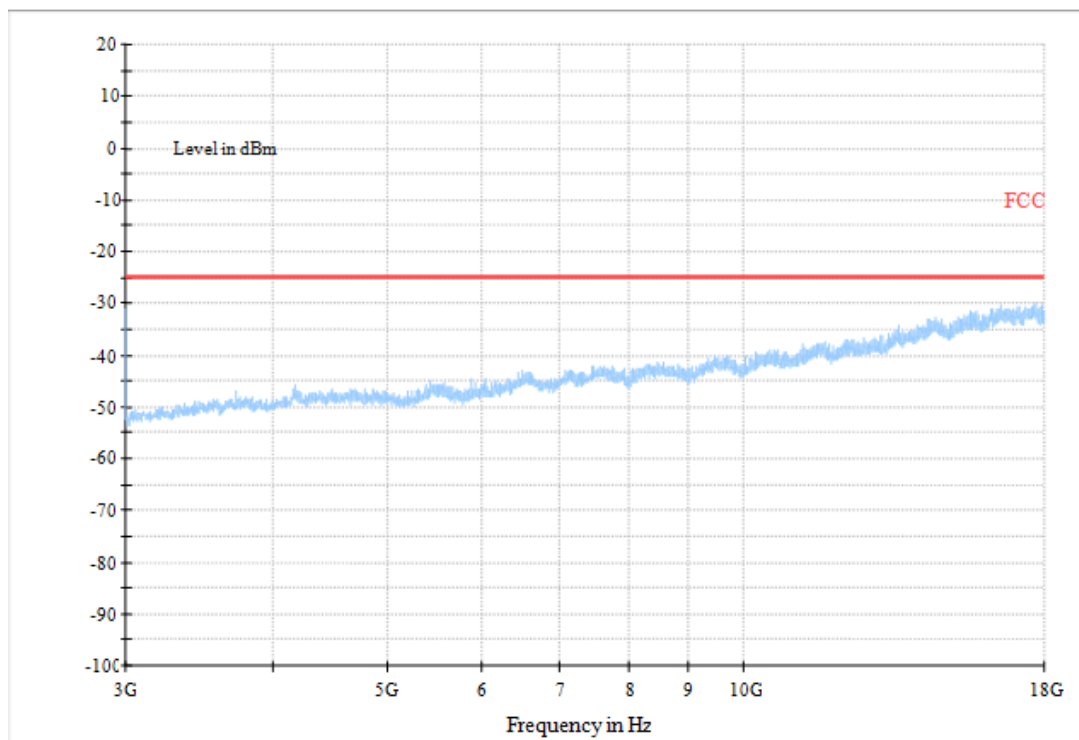
7.1.1.1 Test Bandwidth = 5

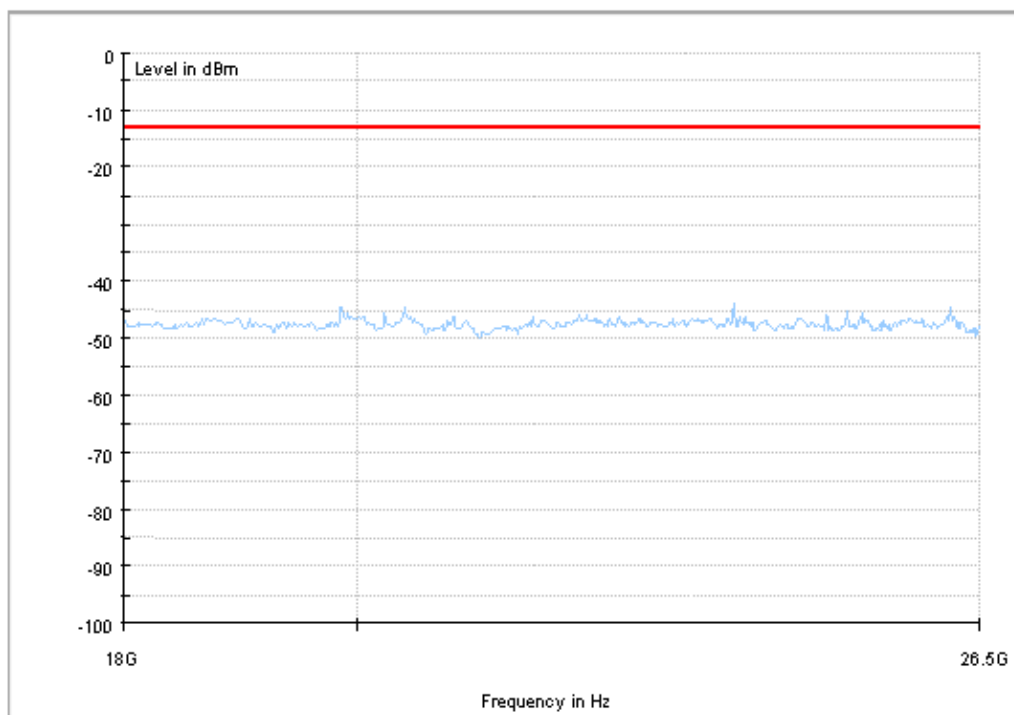


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

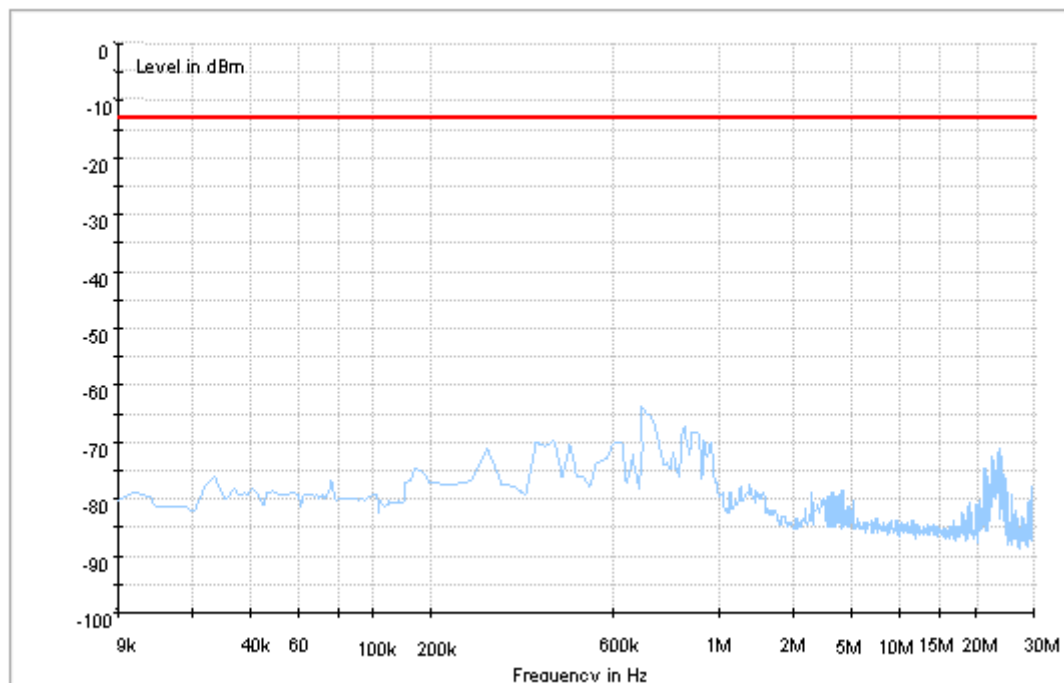


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

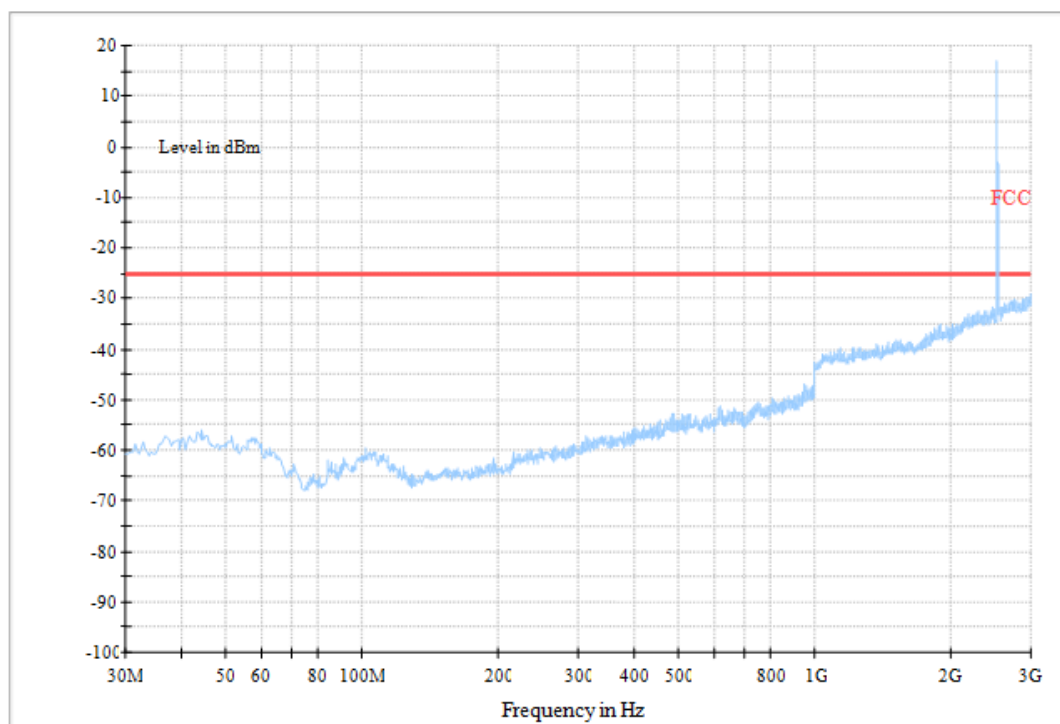




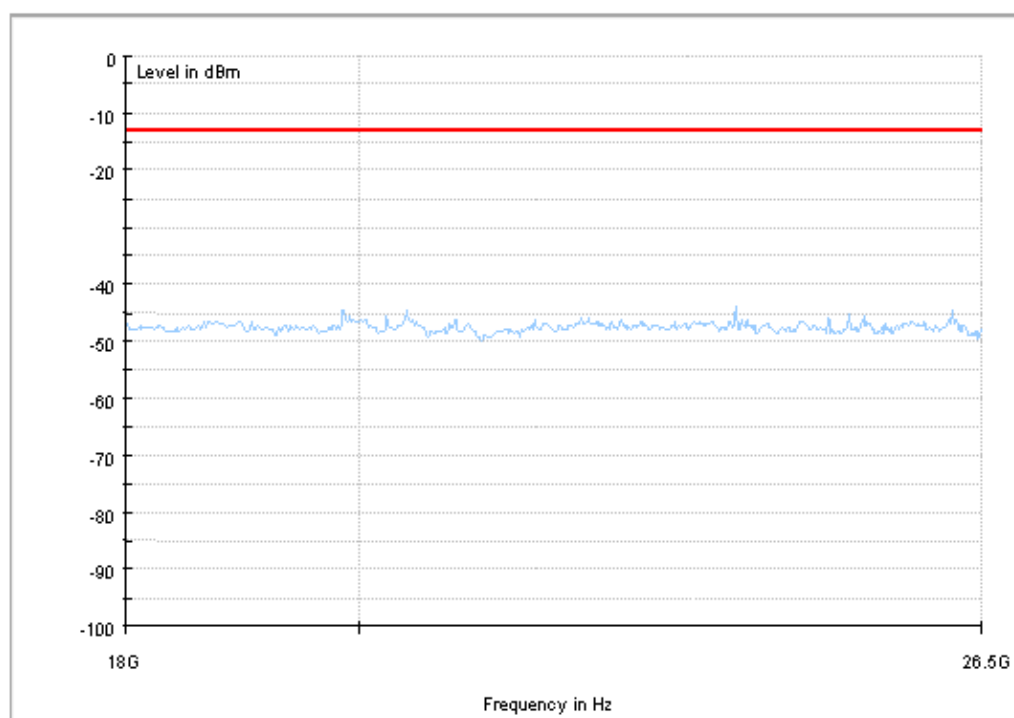
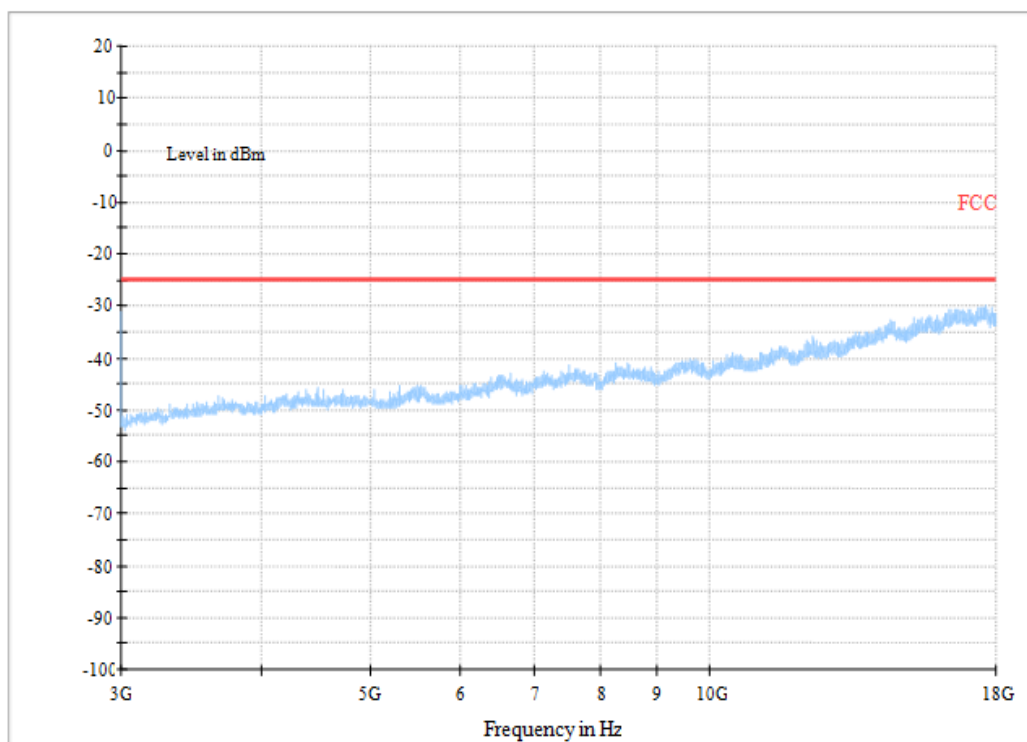
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

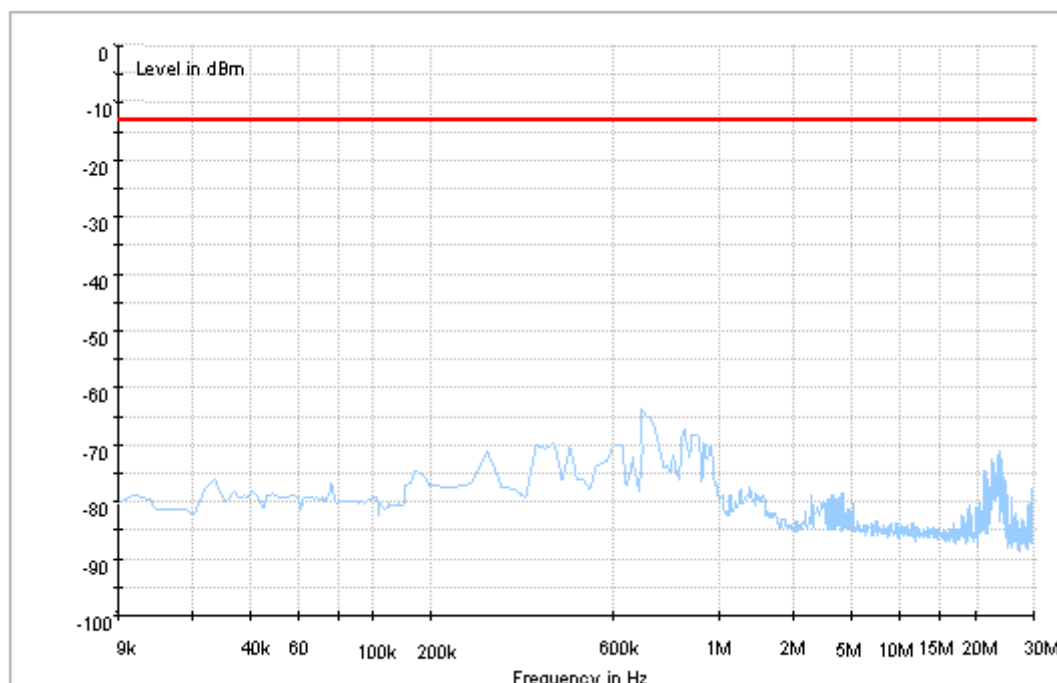


Copy of RSE-TX-DIRECTOR.ABOVE 1.5G_H

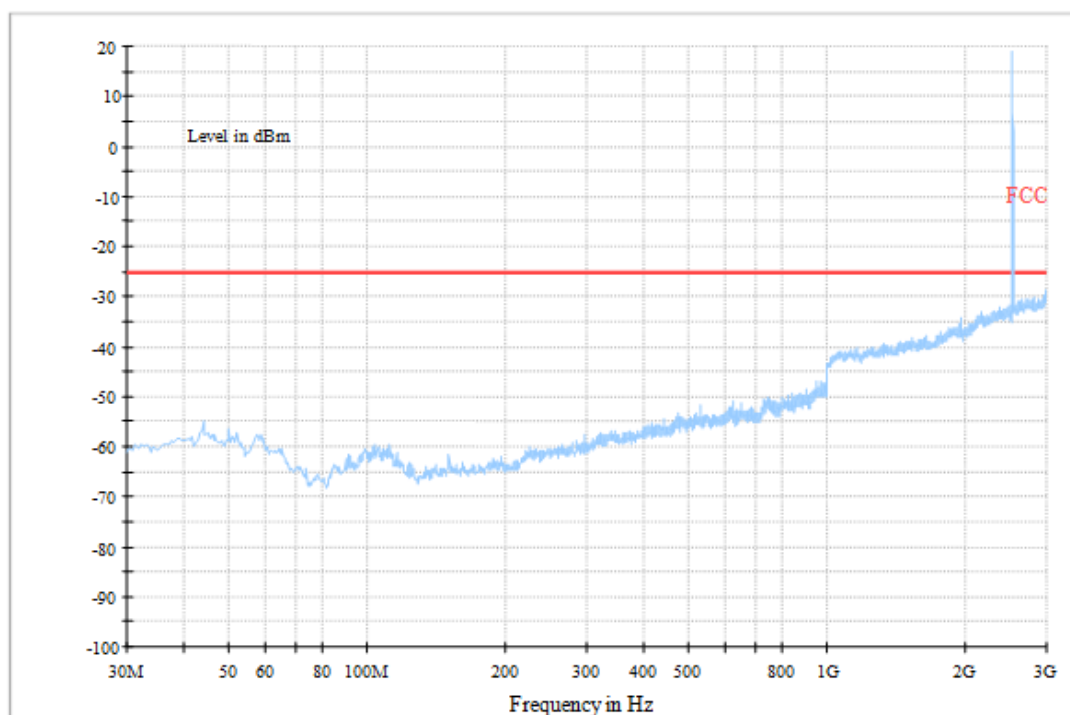


7.1.2 Test Band = BAND7_Ant2

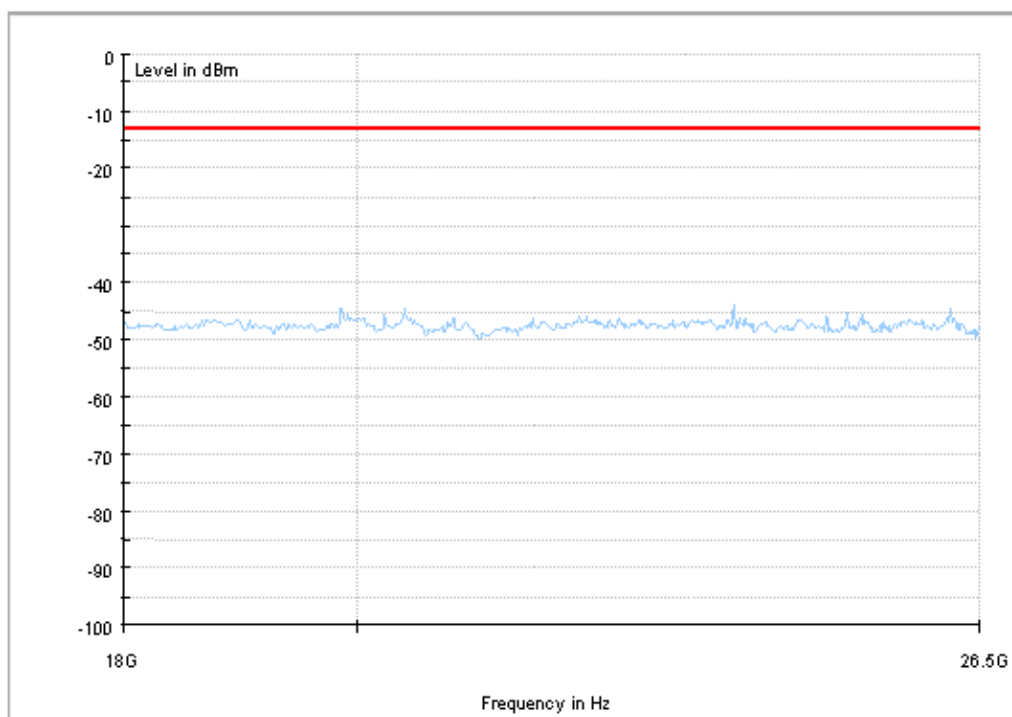
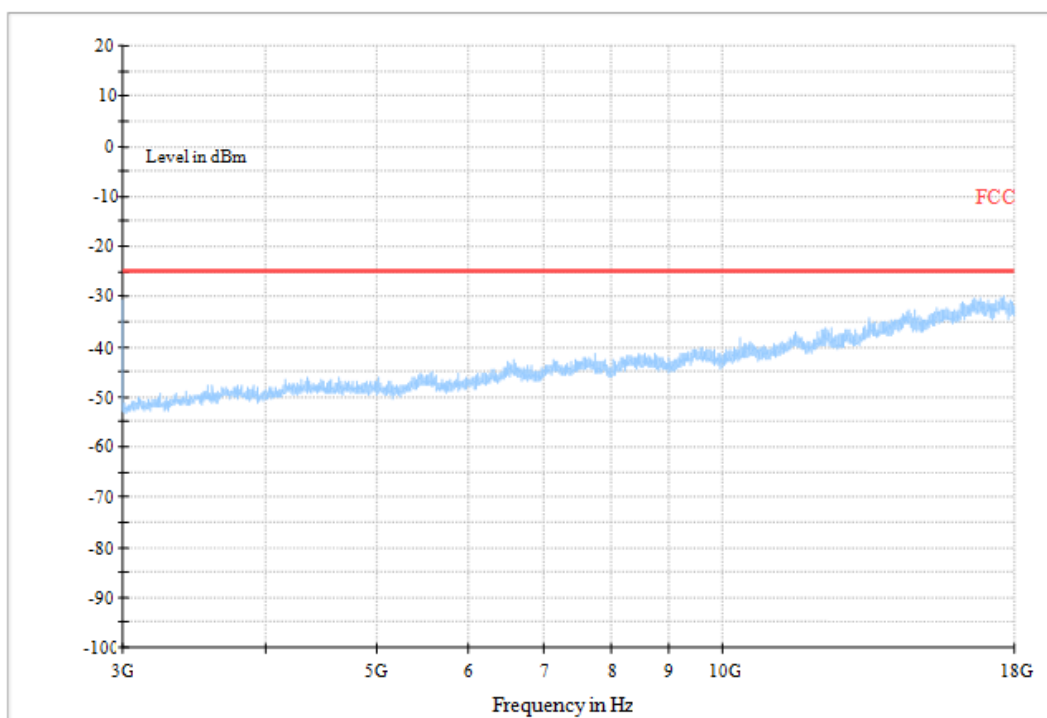
7.1.2.1 Test Bandwidth = 5



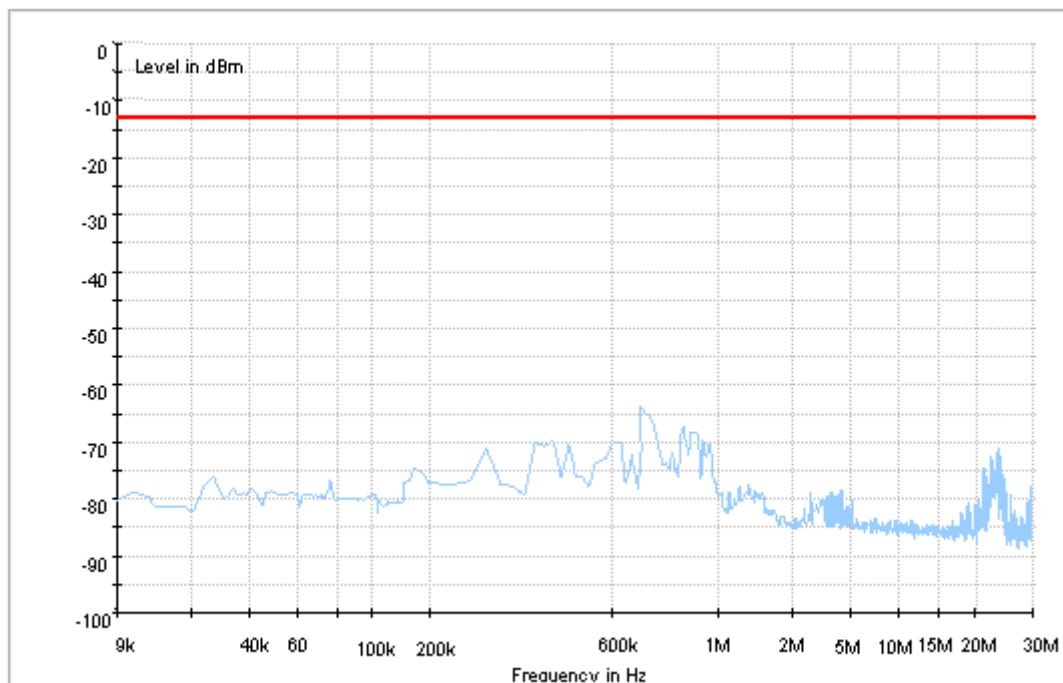
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_I



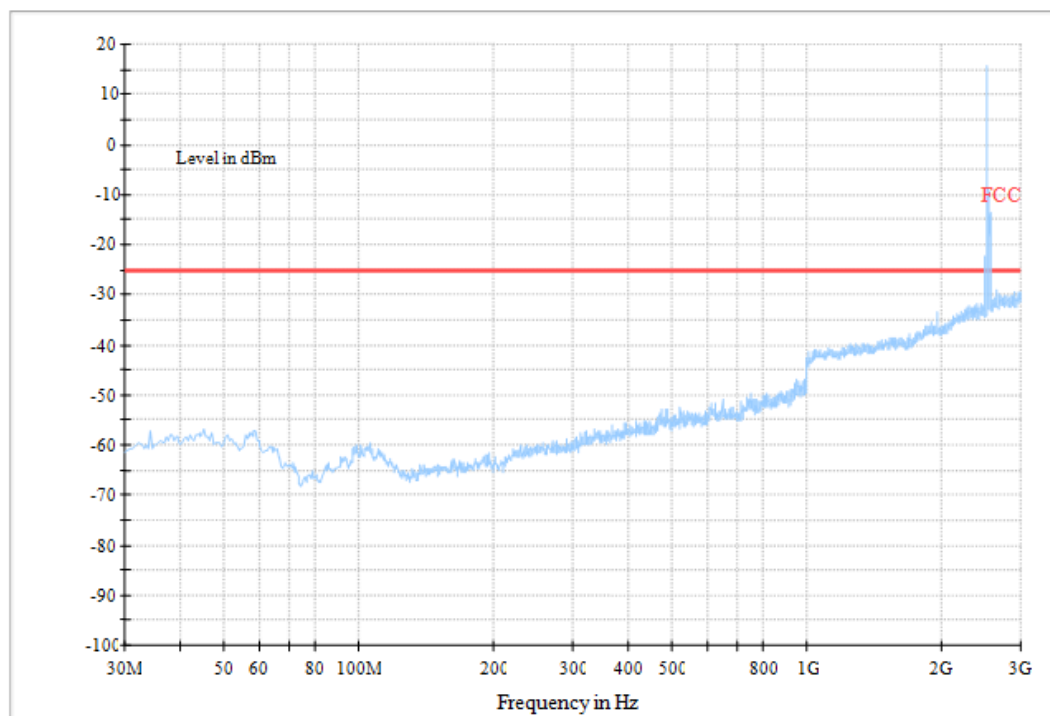
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



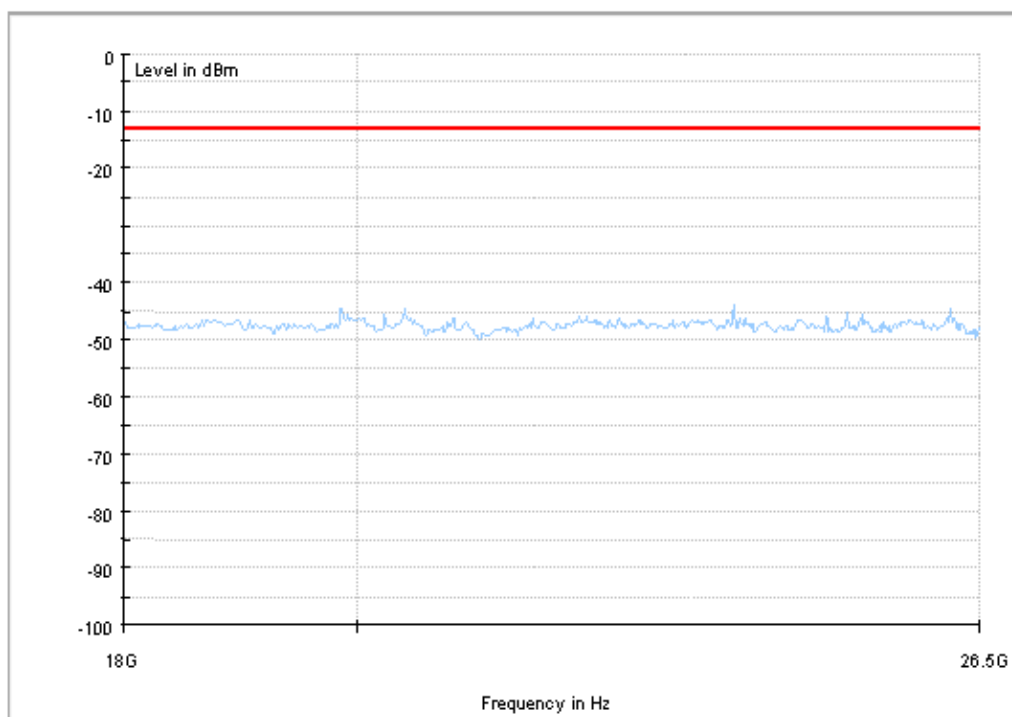
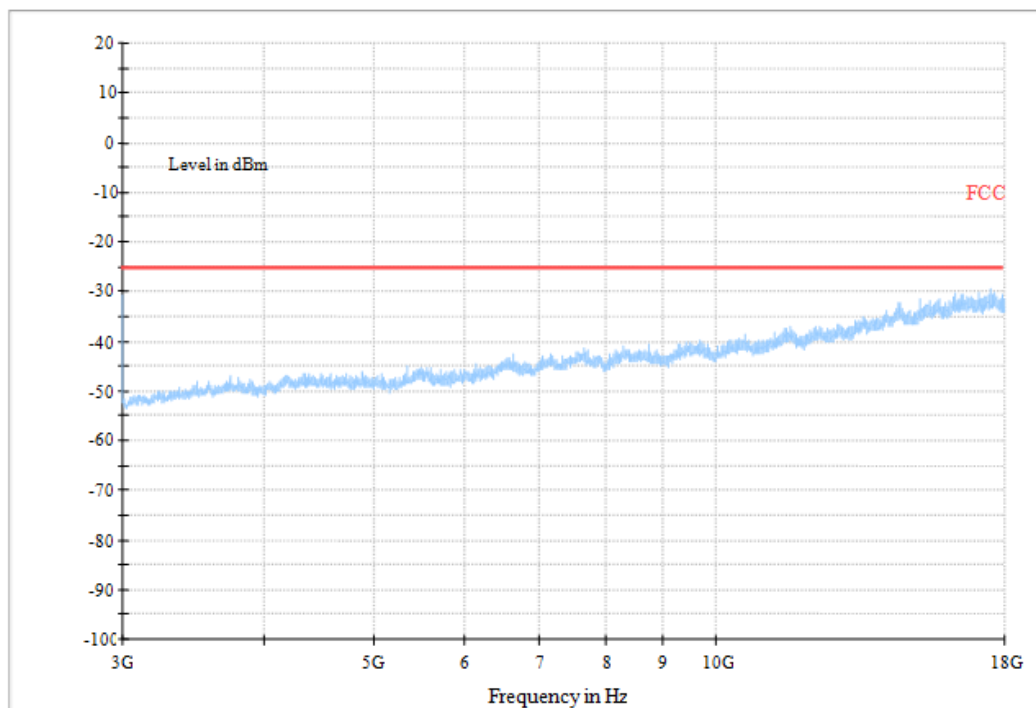
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	0.54	0.00022	PASS
					VN	-36.29	-0.0145	PASS
					VH	-4.45	-0.00178	PASS
			MCH	TN	VL	-2.05	-0.00081	PASS
					VN	-24.59	-0.0097	PASS
					VH	0.29	0.00011	PASS
			HCH	TN	VL	1.02	0.0004	PASS
					VN	-0.17	-0.00007	PASS
					VH	-0.13	-0.00005	PASS
		10	LCH	TN	VL	-0.94	-0.00038	PASS
					VN	0.40	0.00016	PASS
					VH	2.16	0.00086	PASS
			MCH	TN	VL	0.17	0.00007	PASS
					VN	-5.95	-0.00235	PASS
					VH	2.45	0.00097	PASS
			HCH	TN	VL	-1.82	-0.00071	PASS
					VN	0.63	0.00025	PASS
					VH	-1.50	-0.00058	PASS
		15	LCH	TN	VL	-0.62	-0.00025	PASS
					VN	0.93	0.00037	PASS
					VH	-12.57	-0.00501	PASS
			MCH	TN	VL	-2.76	-0.00109	PASS
					VN	4.18	0.00165	PASS
					VH	4.32	0.0017	PASS
			HCH	TN	VL	0.04	0.00002	PASS
					VN	1.52	0.00059	PASS
					VH	-1.14	-0.00044	PASS
		20	LCH	TN	VL	-0.41	-0.00016	PASS
					VN	-0.87	-0.00035	PASS
					VH	2.29	0.00091	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		MCH	TN	VL	-1.19	-0.00047	PASS
					VN	-0.89	-0.00035	PASS
					VH	-1.77	-0.0007	PASS
			HCH	TN	VL	0.64	0.00025	PASS
					VN	-0.66	-0.00026	PASS
					VH	-5.59	-0.00218	PASS
		5	LCH	TN	VL	1.20	0.00048	PASS
					VN	-5.12	-0.00205	PASS
					VH	-2.00	-0.0008	PASS
			MCH	TN	VL	-36.52	-0.01441	PASS
					VN	3.18	0.00125	PASS
					VH	-3.78	-0.00149	PASS
			HCH	TN	VL	0.84	0.00033	PASS
					VN	-0.47	-0.00018	PASS
					VH	1.42	0.00055	PASS
		10	LCH	TN	VL	1.27	0.00051	PASS
					VN	-9.10	-0.00363	PASS
					VH	2.88	0.00115	PASS
			MCH	TN	VL	-2.56	-0.00101	PASS
					VN	-2.26	-0.00089	PASS
					VH	2.30	0.00091	PASS
			HCH	TN	VL	-0.40	-0.00016	PASS
					VN	-0.93	-0.00036	PASS
					VH	0.63	0.00025	PASS
		15	LCH	TN	VL	-1.02	-0.00041	PASS
					VN	-0.77	-0.00031	PASS
					VH	-3.32	-0.00132	PASS
			MCH	TN	VL	0.69	0.00027	PASS
					VN	0.47	0.00019	PASS
					VH	-0.37	-0.00015	PASS
			HCH	TN	VL	-19.33	-0.00754	PASS
					VN	3.93	0.00153	PASS
					VH	4.22	0.00165	PASS
		20	LCH	TN	VL	0.96	0.00038	PASS
					VN	1.62	0.00065	PASS
					VH	-0.41	-0.00016	PASS
			MCH	TN	VL	0.73	0.00029	PASS
					VN	-1.17	-0.00046	PASS
					VH	0.21	0.00008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	0.19	0.00007	PASS
					VN	0.59	0.00023	PASS
					VH	-0.89	-0.00035	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	-0.04	-0.00006	PASS
					-20	-0.98	-0.00044	PASS
					-10	1.28	0.00047	PASS
					0	-0.77	-0.00035	PASS
					10	-8.81	-0.00356	PASS
					20	-3.85	-0.00158	PASS
					30	-2.63	-0.00109	PASS
					40	-0.73	-0.00034	PASS
					50	3.12	0.0012	PASS
			MCH	VN	-30	-1.49	-0.00063	PASS
					-20	-3.16	-0.00129	PASS
					-10	-3.72	-0.00151	PASS
					0	-4.17	-0.00169	PASS
					10	-1.83	-0.00077	PASS
					20	-0.17	-0.00011	PASS
					30	-1.46	-0.00062	PASS
					40	-1.71	-0.00072	PASS
					50	-4.73	-0.00191	PASS
			HCH	VN	-30	-5.35	-0.00213	PASS
					-20	-2.44	-0.00099	PASS
					-10	-4.16	-0.00166	PASS
					0	-7.34	-0.0029	PASS
					10	-0.64	-0.00029	PASS
					20	-5.86	-0.00232	PASS
					30	-4.6	-0.00183	PASS
					40	-4.47	-0.00178	PASS
					50	-3.13	-0.00126	PASS
		10	LCH	VN	-30	-15.3	-0.00615	PASS
					-20	-15.72	-0.00632	PASS
					-10	-21.31	-0.00855	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-55.82	-0.02233	PASS
					10	-15.55	-0.00625	PASS
					20	-3.62	-0.00149	PASS
					30	-8.88	-0.00359	PASS
					40	-12.87	-0.00518	PASS
					50	-26.85	-0.01076	PASS
			MCH	VN	-30	-2.49	-0.00103	PASS
					-20	-1.77	-0.00074	PASS
					-10	-1.96	-0.00082	PASS
					0	-1.59	-0.00067	PASS
					10	-2.36	-0.00097	PASS
					20	-3.57	-0.00145	PASS
					30	-0.7	-0.00032	PASS
					40	-0.78	-0.00035	PASS
					50	0.05	-0.00002	PASS
			HCH	VN	-30	-4.46	-0.00178	PASS
					-20	-1.94	-0.0008	PASS
					-10	0.69	0.00023	PASS
					0	-2.46	-0.001	PASS
					10	-3.65	-0.00147	PASS
					20	1.39	0.0005	PASS
					30	-0.77	-0.00034	PASS
					40	-3.36	-0.00135	PASS
					50	-3.36	-0.00135	PASS
		15	LCH	VN	-30	-17.74	-0.00712	PASS
					-20	-30.93	-0.01238	PASS
					-10	-20.88	-0.00837	PASS
					0	-23.73	-0.00951	PASS
					10	-10.33	-0.00416	PASS
					20	-17.81	-0.00715	PASS
					30	-21.15	-0.00848	PASS
					40	-16.95	-0.0068	PASS
					50	-14.96	-0.00601	PASS
			MCH	VN	-30	-2.54	-0.00105	PASS
					-20	-3.27	-0.00133	PASS
					-10	-3.2	-0.00131	PASS
					0	-2.43	-0.001	PASS
					10	-1.01	-0.00044	PASS
					20	-4.17	-0.00169	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-2.59	-0.00106	PASS
					40	-4.1	-0.00166	PASS
					50	-1.06	-0.00046	PASS
			HCH	VN	-30	-4.23	-0.00169	PASS
					-20	-3.43	-0.00138	PASS
					-10	-0.81	-0.00036	PASS
					0	-1.36	-0.00057	PASS
					10	0.53	0.00016	PASS
					20	-3.92	-0.00157	PASS
					30	-1.96	-0.00081	PASS
					40	-2.99	-0.00121	PASS
					50	-4	-0.0016	PASS
			LCH	VN	-30	-4.37	-0.00178	PASS
					-20	-3.56	-0.00146	PASS
					-10	-7.08	-0.00286	PASS
					0	-12.27	-0.00493	PASS
					10	-4.03	-0.00165	PASS
					20	-1.03	-0.00045	PASS
					30	-5.28	-0.00215	PASS
					40	-2.06	-0.00086	PASS
					50	-0.35	-0.00018	PASS
			MCH	VN	-30	-0.87	-0.00039	PASS
					-20	-1.41	-0.0006	PASS
					-10	-0.6	-0.00028	PASS
					0	-2.64	-0.00108	PASS
					10	-3.75	-0.00152	PASS
					20	-1	-0.00044	PASS
					30	-2.16	-0.0009	PASS
					40	-1.99	-0.00083	PASS
					50	-3.8	-0.00154	PASS
		20	HCH	VN	-30	-2.19	-0.0009	PASS
					-20	-3.14	-0.00127	PASS
					-10	-1.16	-0.0005	PASS
					0	-2.82	-0.00114	PASS
					10	-0.84	-0.00037	PASS
					20	-4.6	-0.00184	PASS
					30	-2.09	-0.00086	PASS
					40	-2.86	-0.00116	PASS
					50	-3.76	-0.00151	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	-30	-5.93	-0.00241	PASS
					-20	-9.64	-0.0039	PASS
					-10	-1.44	-0.00062	PASS
					0	-5.13	-0.00209	PASS
					10	-2.13	-0.0009	PASS
					20	1.56	0.00058	PASS
					30	-1.99	-0.00084	PASS
					40	-1.47	-0.00063	PASS
					50	-3.83	-0.00157	PASS
			MCH	VN	-30	-2.2	-0.00091	PASS
					-20	-2.52	-0.00104	PASS
					-10	-1.34	-0.00057	PASS
					0	1.28	0.00046	PASS
					10	-3.49	-0.00142	PASS
					20	1.78	0.00066	PASS
					30	-1.84	-0.00077	PASS
					40	0.89	0.00031	PASS
					50	-2.9	-0.00119	PASS
			HCH	VN	-30	0.27	0.00006	PASS
					-20	0.26	0.00006	PASS
					-10	0.79	0.00027	PASS
					0	-2.16	-0.00088	PASS
					10	-1.56	-0.00065	PASS
					20	-3.75	-0.0015	PASS
					30	-4.95	-0.00197	PASS
					40	-2.16	-0.00088	PASS
					50	-5.23	-0.00208	PASS
		10	LCH	VN	-30	1.5	0.00055	PASS
					-20	9.62	0.0038	PASS
					-10	2.96	0.00114	PASS
					0	3.34	0.00129	PASS
					10	1.73	0.00065	PASS
					20	0.15	0.00002	PASS
					30	-3.66	-0.0015	PASS
					40	-1.54	-0.00066	PASS
					50	1.23	0.00045	PASS
			MCH	VN	-30	-1.73	-0.00073	PASS
					-20	-0.11	-0.00009	PASS
					-10	-2.67	-0.0011	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-4.5	-0.00182	PASS
					10	-1.34	-0.00057	PASS
					20	-2.3	-0.00095	PASS
					30	-0.35	-0.00018	PASS
					40	-2.31	-0.00095	PASS
					50	-1.86	-0.00078	PASS
			HCH	VN	-30	-0.33	-0.00017	PASS
					-20	-2.6	-0.00106	PASS
					-10	-3.36	-0.00135	PASS
					0	-4.1	-0.00164	PASS
					10	-2.5	-0.00102	PASS
					20	-3.32	-0.00134	PASS
					30	-1.54	-0.00064	PASS
					40	-1.4	-0.00059	PASS
					50	-0.28	-0.00015	PASS
		15	LCH	VN	-30	7.06	0.00277	PASS
					-20	3.64	0.00141	PASS
					-10	1.05	0.00037	PASS
					0	0.7	0.00024	PASS
					10	-0.14	-0.0001	PASS
					20	1.16	0.00042	PASS
					30	-1.67	-0.00071	PASS
					40	-2	-0.00084	PASS
					50	-2.86	-0.00118	PASS
			MCH	VN	-30	-1.66	-0.0007	PASS
					-20	-2.66	-0.00109	PASS
					-10	-0.13	-0.00009	PASS
					0	-3.42	-0.00139	PASS
					10	-2.13	-0.00088	PASS
					20	-2.99	-0.00122	PASS
					30	-2.36	-0.00097	PASS
					40	-5.88	-0.00236	PASS
					50	-4.43	-0.00179	PASS
			HCH	VN	-30	1.2	0.00043	PASS
					-20	-0.91	-0.0004	PASS
					-10	-2.97	-0.0012	PASS
					0	-1.44	-0.0006	PASS
					10	-2.4	-0.00098	PASS
					20	-1.66	-0.00069	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			30	-2.06	-0.00085	PASS
					40	-1.9	-0.00078	PASS
					50	-3.09	-0.00125	PASS
			LCH	VN	-30	-8.14	-0.00329	PASS
					-20	-6.03	-0.00245	PASS
					-10	-7.28	-0.00294	PASS
					0	-3.36	-0.00138	PASS
					10	-7.29	-0.00295	PASS
					20	-4.83	-0.00197	PASS
					30	-2.84	-0.00118	PASS
					40	-7.02	-0.00284	PASS
					50	-2.57	-0.00107	PASS
			MCH	VN	-30	-3.9	-0.00158	PASS
					-20	-1.31	-0.00056	PASS
					-10	-1.93	-0.0008	PASS
					0	-0.63	-0.00029	PASS
					10	-3.96	-0.00161	PASS
					20	-3.34	-0.00136	PASS
					30	-1.66	-0.0007	PASS
					40	-0.76	-0.00034	PASS
					50	-0.11	-0.00009	PASS
			HCH	VN	-30	-1.99	-0.00082	PASS
					-20	-1.08	-0.00046	PASS
					-10	-1.03	-0.00044	PASS
					0	-2.06	-0.00085	PASS
					10	-3.82	-0.00153	PASS
					20	-0.41	-0.0002	PASS
					30	-2.27	-0.00093	PASS
					40	-1.67	-0.00069	PASS
					50	-2.04	-0.00084	PASS

END